Inland
PRODUCTION COMPANY
A Subsidiary of Inland Resources Inc.

February 1, 2002

State of Utah
Division of Oil, Gas & Mining
Attn: Brad Hill
1594 West North Temple - Suite 1210
P.O. Box 145801
Salt Lake City, Utah 84114-5801

RE: Applications for Permit to Drill: 1-31-8-18, 2-31-8-18, 3-31-8-18, 4-31-8-18, 5-31-8-18, 6-31-8-18, 7-31-8-18, 11-31-8-18, 12-31-8-18, and 13-31-8-18.

Dear Brad:

Enclosed find APD's on the above referenced wells. If you have any questions, feel free to give either Brad or myself a call.

Sincerely,

Mandie Crozier

Mandie Crozier
Permit Clerk

mc
enclosures

Inland Production Company Field Office • Route 3, Box 3630 • Myton, UT 84052 • 435-646-3721 • FAX 435-646-3031
Corporate Office • 410 Seventeenth Street, Suite 700 • Denver, CO 80202 • 303-893-0102 • FAX 303-893-0103

FORM 3160-3
(December 1990)

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 1004-0136
Expires December 31, 1991

001

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

5. LEASE DESIGNATION AND SERIAL NO.: UTU-74872

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: N/A

1a. TYPE OF WORK: DRILL [X] DEEPEN [ ]

1b. TYPE OF WELL: OIL WELL [X] GAS WELL [ ] OTHER [ ] SINGLE ZONE [ ] MULTIPLE ZONE [X]

7. UNIT AGREEMENT NAME: N/A

8. FARM OR LEASE NAME WELL NO: 7-31-8-18

2. NAME OF OPERATOR: Inland Production Company

9. API WELL NO.:

3. ADDRESS OF OPERATOR: Route #3 Box 3630, Myton, UT 84052 Phone: (435) 646-3721

10. FIELD AND POOL OR WILDCAT: ~~Monument Butte~~ Eight Mile Flat North

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)
At Surface: SW/NE 2046' FNL 1878' FEL 4436545 Y 590988 X
At proposed Prod. Zone:

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: SW/NE Sec. 31, T8S, R18E

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*: Approximately 20.6 miles southeast of Myton, Utah

12. County: Uintah

13. STATE: UT

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT.(Also to	16. NO. OF ACRES IN LEASE	17. NO. OF ACRES ASSIGNED TO THIS WELL
Approx. 594' f/lse line	677.36	40
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR ON THIS LEASE, FT.	**19. PROPOSED DEPTH**	**20. ROTARY OR CABLE TOOLS**
Approx. 1552'	6500'	Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.): 5032.1' GR

22. APPROX. DATE WORK WILL START*: 1st Quarter 2002

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT/FOOT	SETTING DEPTH	QUANTITY OF CEMENT
Refer to Monument Butte Field SOP's Drilling Program/Casing Design				

Inland Production Company proposes to drill this well in accordance with the attached exhibits.

The Conditions of Approval are also attached.

RECEIVED
JAN 31 2002
DIVISION OF OIL, GAS AND MINING

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM : If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.
SIGNED Mandie Crozier TITLE Permit Clerk DATE 2/1/02

(This space for Federal or State office use)

PERMIT NO. 43-047-34500 APPROVAL DATE

Federal Approval of this Action is Necessary

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

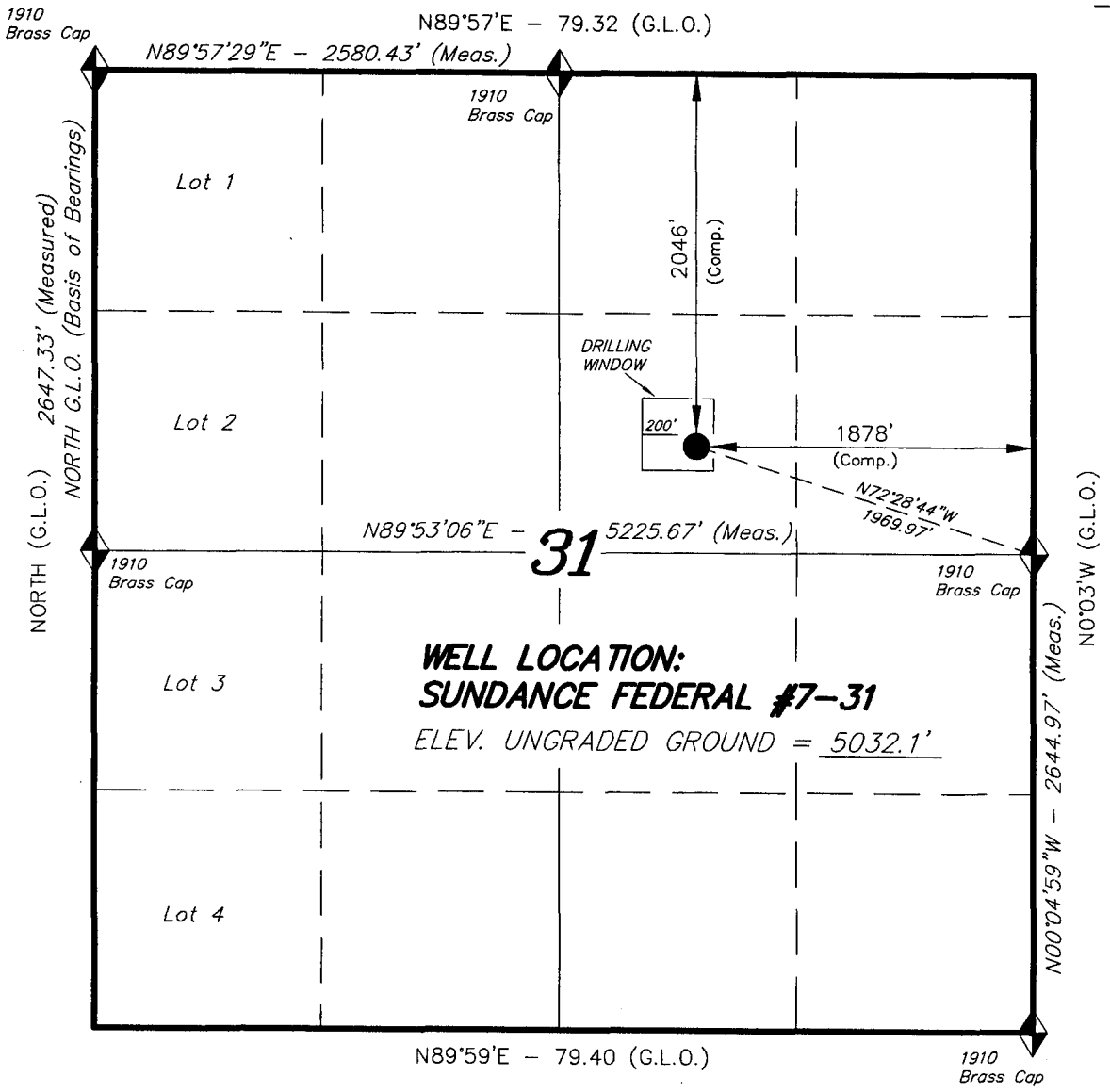
CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY Bradley G. Hill TITLE BRADLEY G. HILL RECLAMATION SPECIALIST III DATE 02-14-02

*See Instructions On Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

T8S, R18E, S.L.B.&M.



◆ = SECTION CORNERS LOCATED

BASIS OF ELEV; U.S.G.S. 7–1/2 min QUAD (PARIETTE DRAW SW)

INLAND PRODUCTION COMPANY

WELL LOCATION, SUNDANCE FEDERAL #7–31, LOCATED AS SHOWN IN THE SW 1/4 NE 1/4 OF SECTION 31, T8S, R18E, S.L.B.&M. UINTAH COUNTY, UTAH.

N

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

REGISTERED LAND SURVEYOR No. 189377 STACY W. STEWART STATE OF UTAH

STACY W. STEWART
REGISTERED LAND SURVEYOR
REGISTRATION No. 189377
STATE OF UTAH

TRI STATE LAND SURVEYING & CONSULTING
38 WEST 100 NORTH – VERNAL, UTAH 84078
(435) 781–2501

SCALE: 1" = 1000'	SURVEYED BY: D.J.S.
DATE: 12–20–01	DRAWN BY: J.R.S.
NOTES:	FILE #

CONDITIONS OF APPROVAL
APPLICATION FOR PERMIT TO DRILL

Company/Operator: Inland Production Company

Well Name & Number: Sundance 7-31-8-18

API Number:

Lease Number: UTU-74872

Location: SW/NE Sec. 31, T8S R18E

SURFACE USE PROGRAM
CONDITIONS OF APPROVAL

CULTURAL RESOURCES
See *DIAMOND MOUNTAIN RESOURCE AREA RESOURCE MANAGEMENT PLAN AND RECORD OF DECISION* (Fall 1994).

PALEONTOLOGICAL RESOURCES
See *DIAMOND MOUNTAIN RESOURCE AREA RESOURCE MANAGEMENT PLAN AND RECORD OF DECISION* (Fall 1994).

SOILS, WATERSHEDS, AND FLOODPLAINS
See *DIAMOND MOUNTAIN RESOURCE AREA RESOURCE MANAGEMENT PLAN AND RECORD OF DECISION* (Fall 1994).

WILDLIFE AND FISHERIES
See *DIAMOND MOUNTAIN RESOURCE AREA RESOURCE MANAGEMENT PLAN AND RECORD OF DECISION* (Fall 1994).

THREATENED, ENDANGERED, AND OTHER SENSITIVE SPECIES
FERRUGINOUS HAWK: Due to this proposed well location's proximity (less that 0.5 mile) to an existing inactive ferruginous hawk nest site, no new construction or surface disturbing activities will be allowed between February 1 and May 30. If the nest remains inactive on May 30th (based on a pre-construction survey by a qualified biologist), the operator may construct and drill the location after that date. If the nest site becomes active prior to May 30, no new construction or surface disturbing activities will be allowed within 0.5 mile of the nest until the nest becomes inactive for two full breeding seasons. In the event that this well becomes a producing well, it must be equipped with a multi-cylinder engine or hospital muffler to reduce noise levels.

LOCATION AND RESERVE PIT RECLAMATION
During construction of the reserve pit, a small amount of topsoil shall be stockpiled nearby, to be spread over the reserve pit area at the time the reserve pit is reclaimed.

The topsoil stockpile shall be reseeded immediately after site construction by broadcasting the seed, then walking the topsoil stockpile with the dozer to plant the seed.

The following seed mixture will be used on the topsoil stockpile, the recontoured surface of the reserve pit, and for final reclamation: (All poundages are in pure live seed)

Gardner saltbush	*Atriplex gardneri*	3 lbs/acre
Mat saltbush	*Atriplex corrugata*	3 lbs/acre
Galletta grass	*Hilaria jamesii*	3 lbs/acre
Indian ricegrass	*Oryzopsis hymenoides*	3 lbs/acre

The reserve pit shall be reclaimed immediately after drilling operations have ceased. The pit shall be reclaimed by: 1) removing all liquids and any oily debris according to Utah Division of Oil, Gas, & Mining pit closure rules; 2) perforating and folding the liner in place (if a pit liner is used); 3) recontouring the surface; 4) broadcasting the seed over the recontoured surface; and 5) walking the surface of the pit with a dozer to plant the seed.

At the time of final abandonment, the location and access will be recontoured to natural topography and topsoil spread over the area and the surface seeded immediately.

PIPELINES

Installation of a surface gas pipeline and/or any subsequent buried gas or water pipelines will follow the conditions of approval outlined above.

Except as specified in the APD, the installation of the surface gas line and any subsequent buried pipelines will follow the edge of the existing roadways without interfering with the normal travel and maintenance of the roadway.

The installation of any buried pipelines will disturb as little surface as possible and will not exceed 60 feet in width. Reclamation of the disturbance area associated with buried pipelines will be completed within 10 days after installation. The surface will be recontoured to natural or near natural contours. Reseeding will be with the same seed mixture specified for reclamation of the reserve pit and well site. The interface of the buried line disturbance area and the edge of any adjacent access roads will be constructed with a borrow ditch and road berm to minimize vehicular travel along the water line route.

INLAND PRODUCTION COMPANY
SUNDANCE #7-31-8-18
SW/NE SECTION 31, T8S, R18E
UINTAH COUNTY, UTAH

ONSHORE ORDER NO. 1

DRILLING PROGRAM

1. ***GEOLOGIC SURFACE FORMATION:***

Uinta formation of Upper Eocene Age

2. ***ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS:***

Uinta	0' – 1640'
Green River	1640 '
Wasatch	6500'

3. ***ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS OR MINERALS:***

Green River Formation 1640' – 6500' - Oil

4. ***PROPOSED CASING PROGRAM***

Please refer to the Monument Butte Field Standard Operation Procedure (SOP).

5. ***MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:***

Please refer to the Monument Butte Field SOP. See Exhibit "C".

6. ***TYPE AND CHARACTERISTICS OF THE PROPOSED CIRCULATION MUDS:***

Please refer to the Monument Butte Field SOP.

7. ***AUXILIARY SAFETY EQUIPMENT TO BE USED:***

Please refer to the Monument Butte Field SOP.

8. ***TESTING, LOGGING AND CORING PROGRAMS:***

Please refer to the Monument Butte Field SOP.

9. ***ANTICIPATED ABNORMAL PRESSURE OR TEMPERATURE:***

The anticipated maximum bottom hole pressure is 2000 psi. It is not anticipated that abnormal temperatures will be encountered.

10. ***ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS:***

Please refer to the Monument Butte Field SOP.

INLAND PRODUCTION COMPANY
SUNDANCE #7-31-8-18
SW/NE SECTION 31, T8S, R18E
UINTAH COUNTY, UTAH

ONSHORE ORDER NO. 1

MULTI-POINT SURFACE USE & OPERATIONS PLAN

1. *EXISTING ROADS*

See attached Topographic Map "A"

To reach Inland Production Company well location site Sundance #7-31-8-18 located in the SW ¼ NE ¼ Section 31, T8S, R18E, Uintah County, Utah:

Proceed southwesterly out of Myton, Utah along Highway 40 - 1.6 miles ± to the junction of this highway and UT State Hwy 53; proceed southeasterly along Hwy 53 – 13.8 miles ± to it's junction with an existing road to the north; proceed northerly – 0.3 miles ± to it's junction with an existing road to the northeast; proceed northeasterly – 4.9 miles ± to it's junction with the beginning of the proposed access road; proceed northeasterly – 1491' ±, southerly – 470' ±, and then southwesterly – 445' ± along the proposed access road to the proposed well location.

2. *PLANNED ACCESS ROAD*

See Topographic Map "B" for the location of the proposed access road.

3. *LOCATION OF EXISTING WELLS*

Refer to Exhibit "B".

4. *LOCATION OF EXISTING AND/OR PROPOSED FACILITIES*

Please refer to the Monument Butte Field Standard Operating Procedure (SOP).

5. *LOCATION AND TYPE OF WATER SUPPLY*

Please refer to the Monument Butte Field SOP. See Exhibit "A".

6. *SOURCE OF CONSTRUCTION MATERIALS*

Please refer to the Monument Butte Field SOP.

7. *METHODS FOR HANDLING WASTE DISPOSAL*

Please refer to the Monument Butte Field SOP.

8. *ANCILLARY FACILITIES*

Please refer to the Monument Butte Field SOP.

9. *WELL SITE LAYOUT*

The attached Location Layout Diagram describes drill pad cross-sections, cuts and fills, and locations of the mud tanks, reserve pit, pipe racks, trailer parking, spoil dirt stockpile(s), and surface material stockpile(s).

10. ***PLANS FOR RESTORATION OF SURFACE***

Please refer to the Monument Butte Field SOP.

11. ***SURFACE OWNERSHIP*** - Bureau Of Land Management

12. ***OTHER ADDITIONAL INFORMATION***

Archaeological Resource Survey for this area is attached.

The Paleontological Resource Survey will be forthcoming.

Inland Production Company requests a 60' ROW for the Sundance #7-31-8-18 to allow for construction of a 6" gas gathering line, and a 3" poly fuel gas line. Both lines will tie in to the existing pipeline infrastructure. **Refer to Topographic Map "C."**

Inland Production Company also requests a 60' ROW be granted for the Sundance #7-31-8-18 to allow for construction of a 3" steel water injection line and a 3" poly water return line. **Refer to Topographic Map "C."**

Water Disposal
Formation water is produced to a steel storage tank. If the production water meets quality guidelines, it is transported to the Ashley, Monument Butte, Jonah, and Beluga water injection facilities by company or contract trucks. Subsequently, the produced water is injected into approved Class II wells to enhance Inland's secondary recovery project.

Water not meeting quality criteria, is disposed at Inland's Pariette #4 disposal well (Sec. 7, T9S R19E) or at State of Utah approved surface disposal facilities.

13. ***LESSEE'S OR OPERATORS REPRESENTATIVE AND CERTIFICATION***

Representative

Name: Brad Mecham

Address: Route #3 Box 3630
Myton, UT 84052

Telephone: (435) 646-3721

Certification

Please be advised that INLAND PRODUCTION COMPANY is considered to be the operator of well #7-31-8-18 SW/NE Section 31, Township 8S, Range 18E: Lease UTU-74872 Uintah County, Utah: and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by Hartford Accident #4488944.

I hereby certify that the proposed drillsite and access route have been inspected, and I am familiar with the conditions which currently exist; that the statements made in this plan are true and correct to the best of my knowledge; and that the work associated with the operations proposed here will be performed by Inland Production Company and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

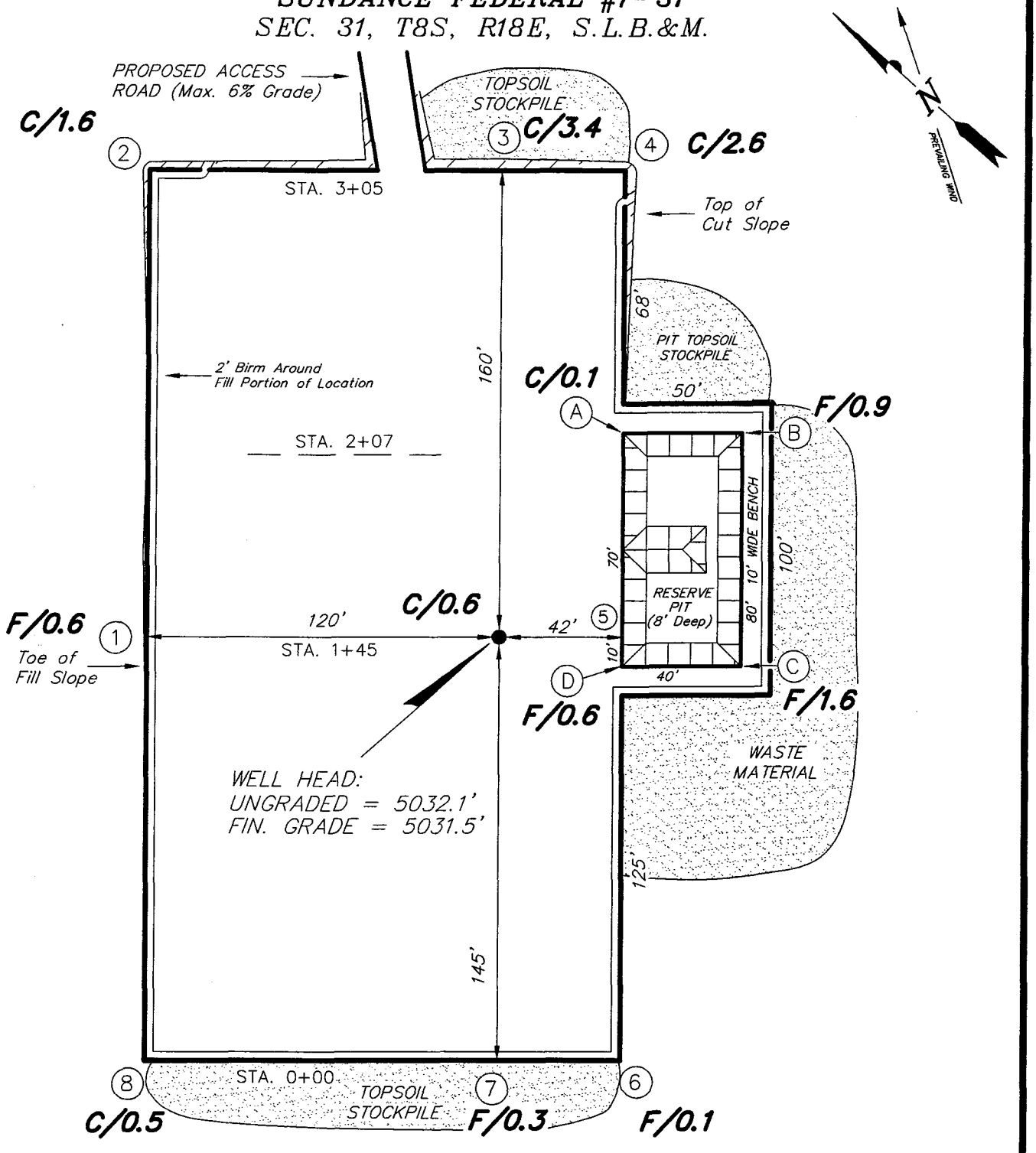
2/1/02
Date

Mandie Crozier
Permit Clerk

INLAND PRODUCTION COMPANY

SUNDANCE FEDERAL #7-31

SEC. 31, T8S, R18E, S.L.B.&M.



REFERENCE POINTS

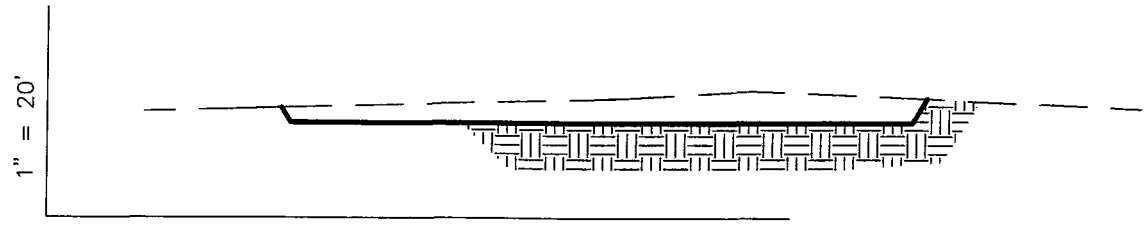
210' NORTHEAST = 5035.1'
260' NORTHEAST = 5034.8'
170' NORTHWEST = 5030.8'
220' NORTHWEST = 5031.5'

SURVEYED BY: D.J.S.	SCALE: 1" = 50'	Tri State Land Surveying, Inc.	(435) 781-2501
DRAWN BY: J.R.S.	DATE: 12-20-01	38 WEST 100 NORTH VERNAL, UTAH 84078	

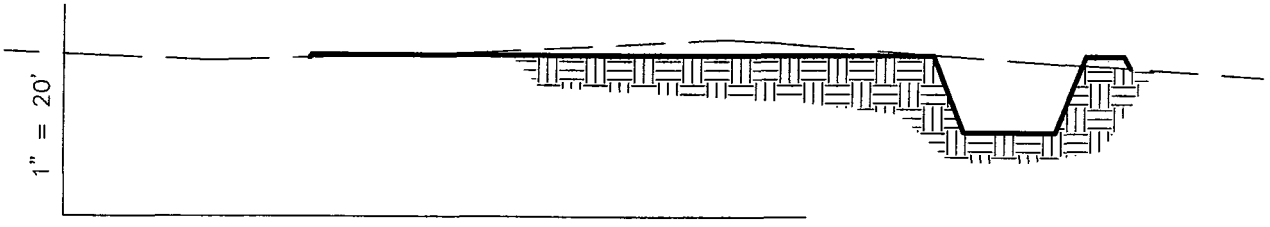
INLAND PRODUCTION COMPANY

CROSS SECTIONS

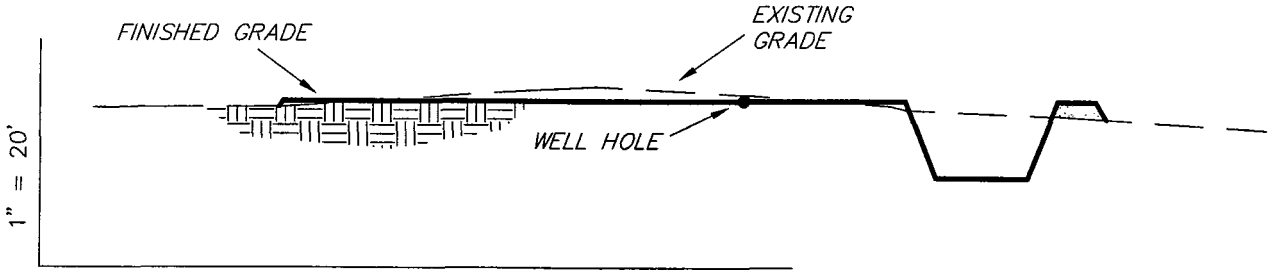
SUNDANCE FEDERAL #7-31



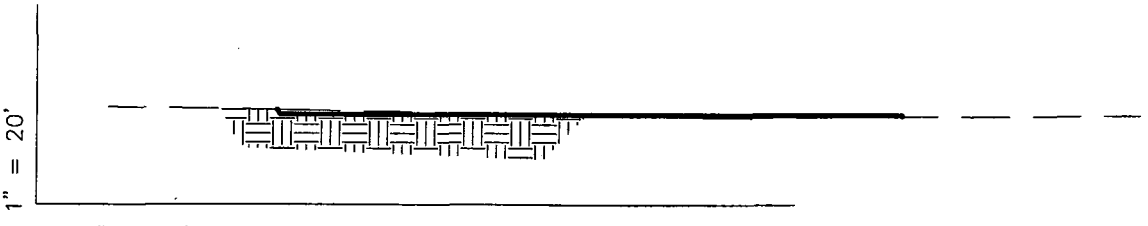
STA. 3+05



STA. 2+07



STA. 1+45



STA. 0+00

NOTE:
UNLESS OTHERWISE NOTED
ALL CUT/FILL SLOPES ARE
AT 1.5:1

ESTIMATED EARTHWORK QUANTITIES
(Expressed in Cubic Yards)

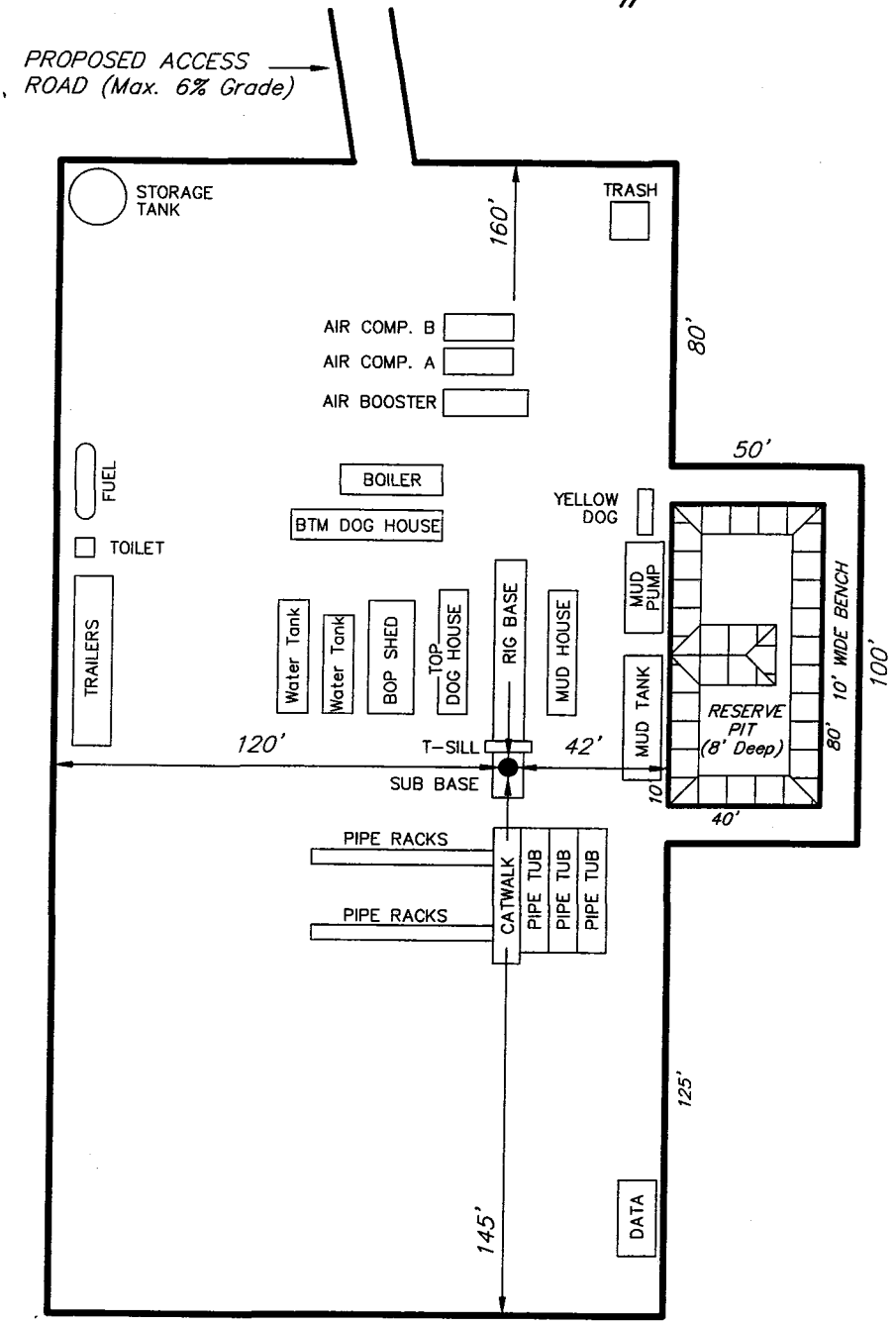
ITEM	CUT	FILL	6" TOPSOIL	EXCESS
PAD	610	610	Topsoil is not included in Pad Cut	0
PIT	640	0		640
TOTALS	1,250	610	1,010	640

SURVEYED BY: D.J.S.	SCALE: 1" = 50'	Tri State Land Surveying, Inc.	(435) 781-2501
DRAWN BY: J.R.S.	DATE: 12-20-01	38 WEST 100 NORTH VERNAL, UTAH 84078	

INLAND PRODUCTION COMPANY

TYPICAL RIG LAYOUT

SUNDANCE FEDERAL #7-31



SURVEYED BY: D.J.S.	SCALE: 1" = 50'	Tri State Land Surveying, Inc.	(435) 781-2501
DRAWN BY: J.R.S.	DATE: 12-20-01	38 WEST 100 NORTH VERNAL, UTAH 84078	

Inland RESOURCES INC.

Sundance Federal #7-31
SEC. 31, T8S, R18E, S.L.B.&M.

N

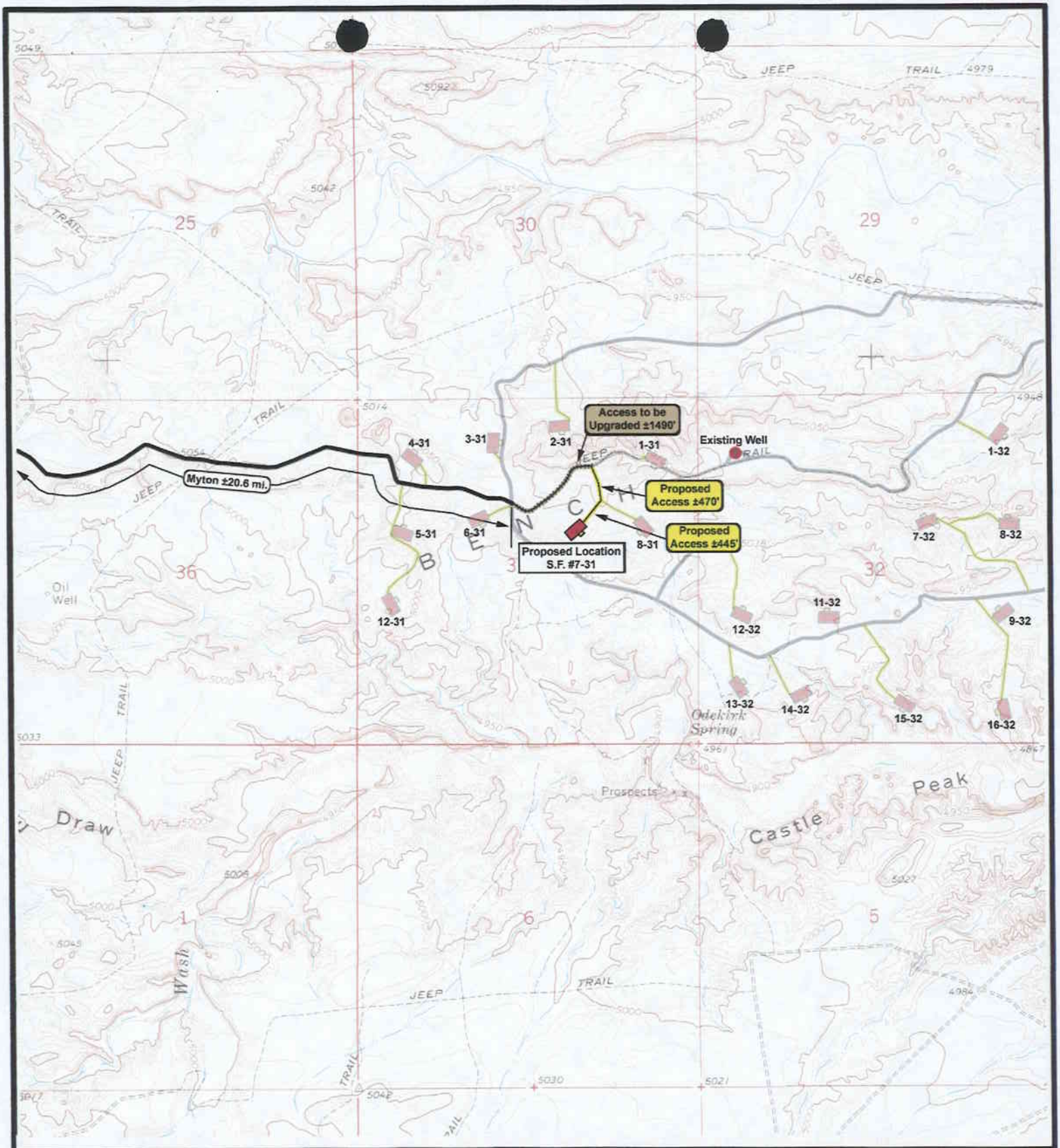
Tri-State Land Surveying Inc.
(435) 781-2501
38 West 100 North Vernal, Utah 84078

SCALE: 1" = 100,000'
DRAWN BY: D.J.
DATE: 12-27-2001

Legend

Existing Road
Proposed Access

TOPOGRAPHIC MAP
"A"



Inland RESOURCES INC.

Sundance Federal #7-31
SEC. 31, T8S, R18E S.L.B.&M.

N

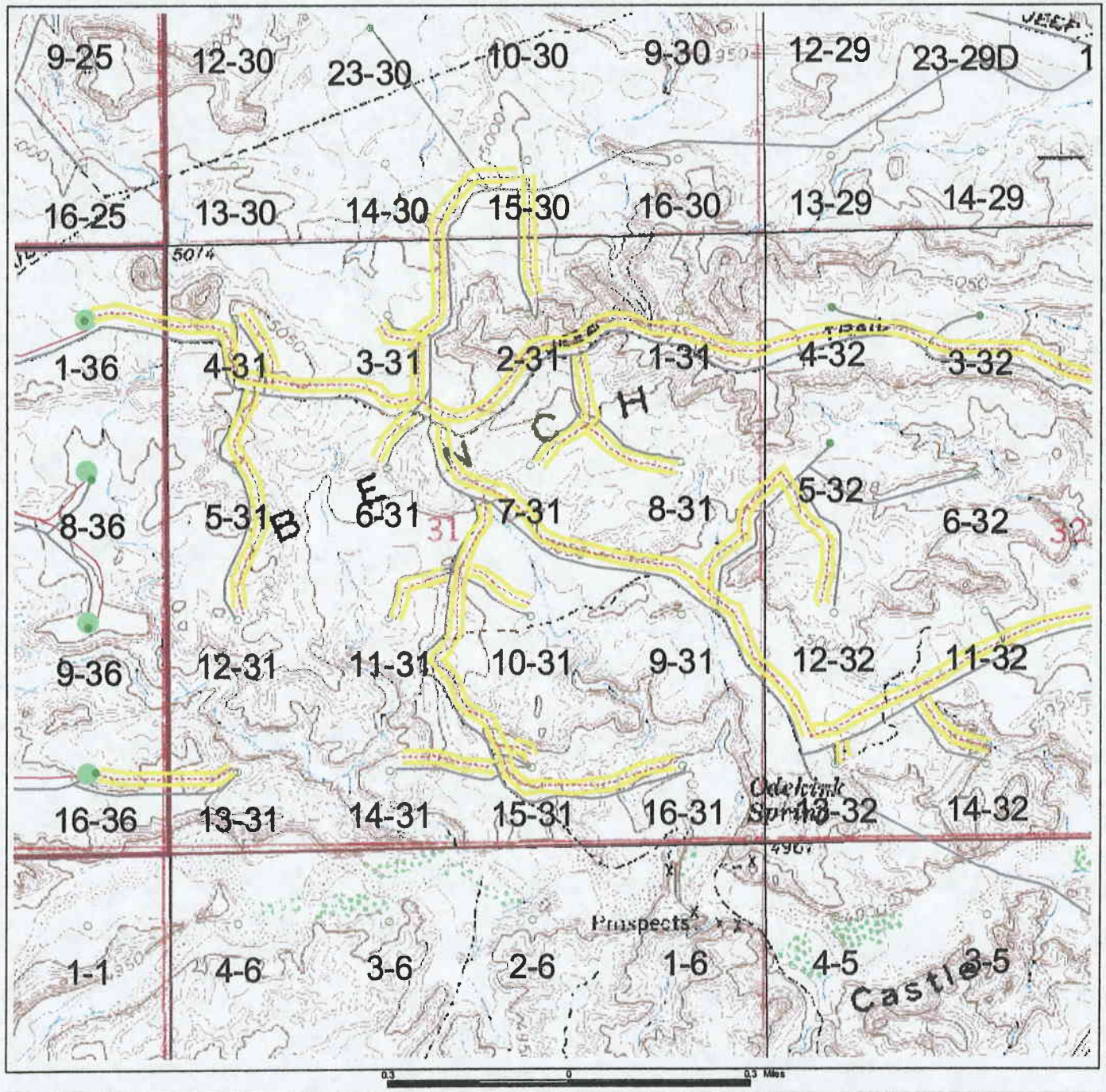
Tri-State Land Surveying Inc.
(435) 781-2501
38 West 100 North Vernal, Utah 84078

Legend

- Existing Road
- Proposed Access
- Access to be Upgraded

SCALE: 1" = 2000'
DRAWN BY: D.J.
DATE: 12-27-2001

TOPOGRAPHIC MAP "B"



Gas Line ROW

Pending Approval

ROW Approved

Compressor Stations

Gas Pipelines

- 10"
- 6" Source Line
- 6" Proposed
- 4" Source Line
- 4" Proposed
- Gas Buried
- Petroglyph Gas Line
- Questar Gas Line
- Compressors - Other
- Fuel Gas Meters

Roads (Digitized)

- Paved
- Dirt
- Proposed
- Two Track
- Private

N

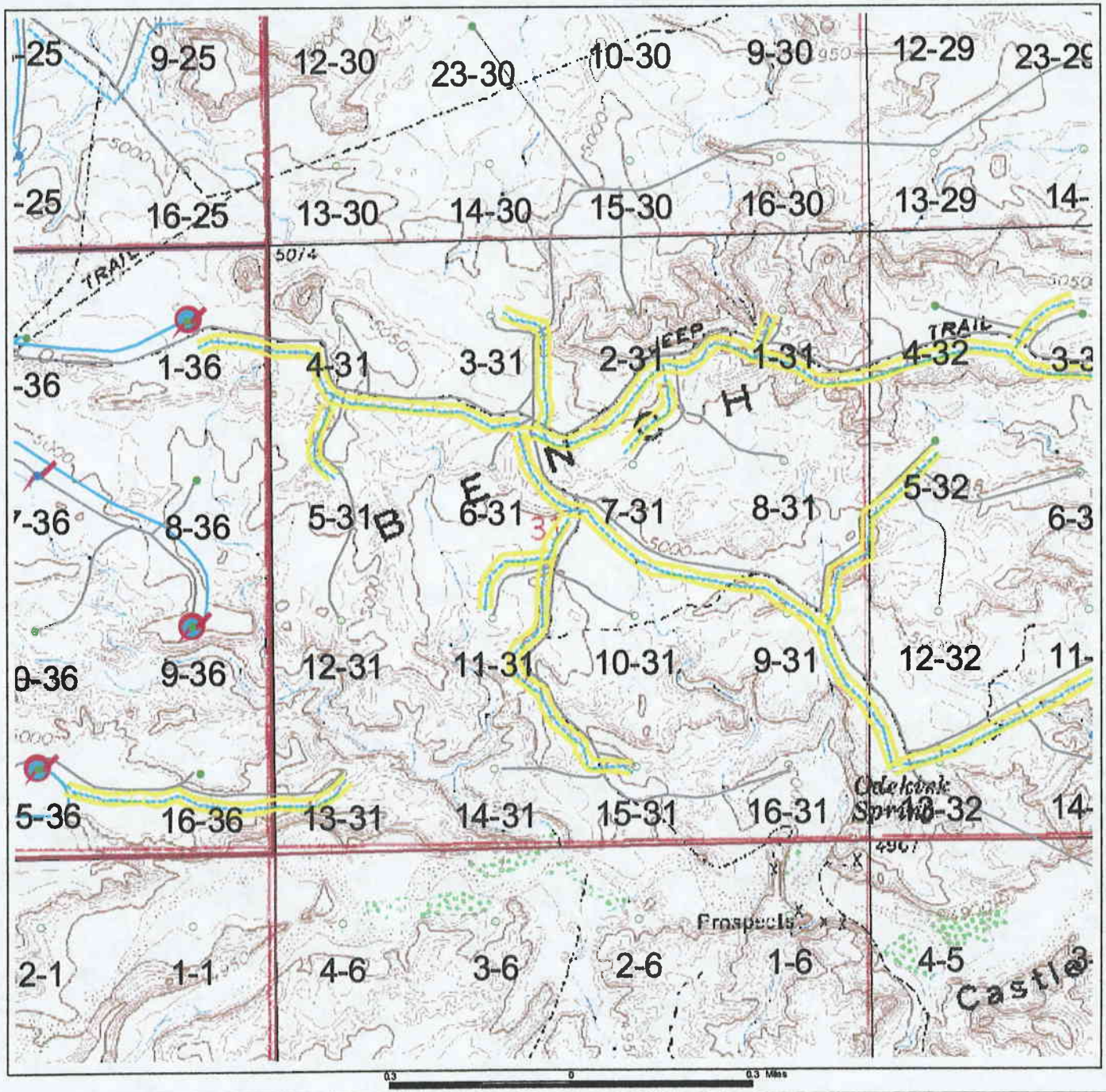
Topographic Map C
T8S-R18E-31

Gas Pipeline Map

UINTA BASIN, UTAH

Duchesne & Uintah Counties, Utah

January 24, 2002



Topographic Map C
T8S-R18E-31

Water Pipeline Map

UINTA BASIN, UTAH

Duchesne & Uintah Counties, Utah

January 24, 2002

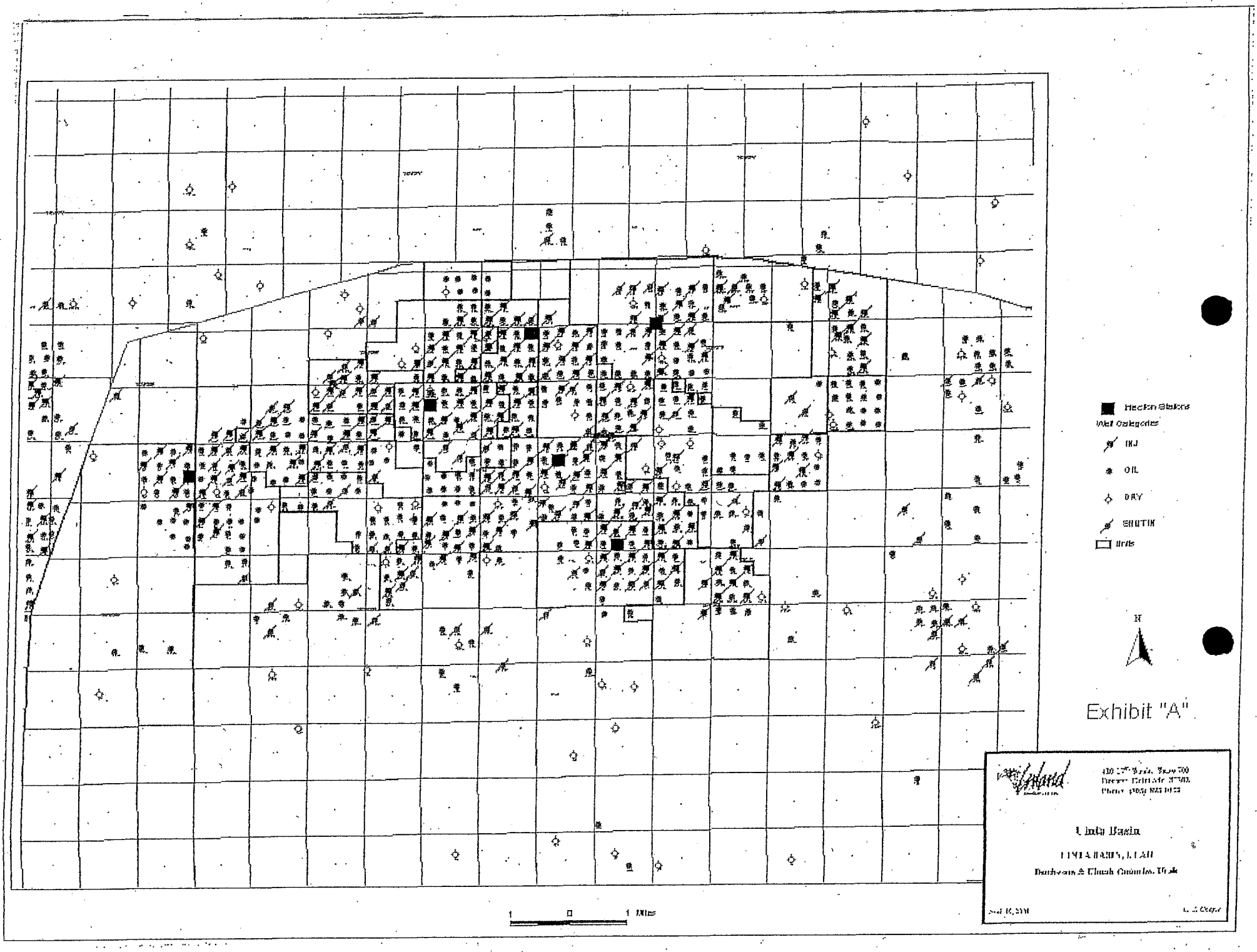
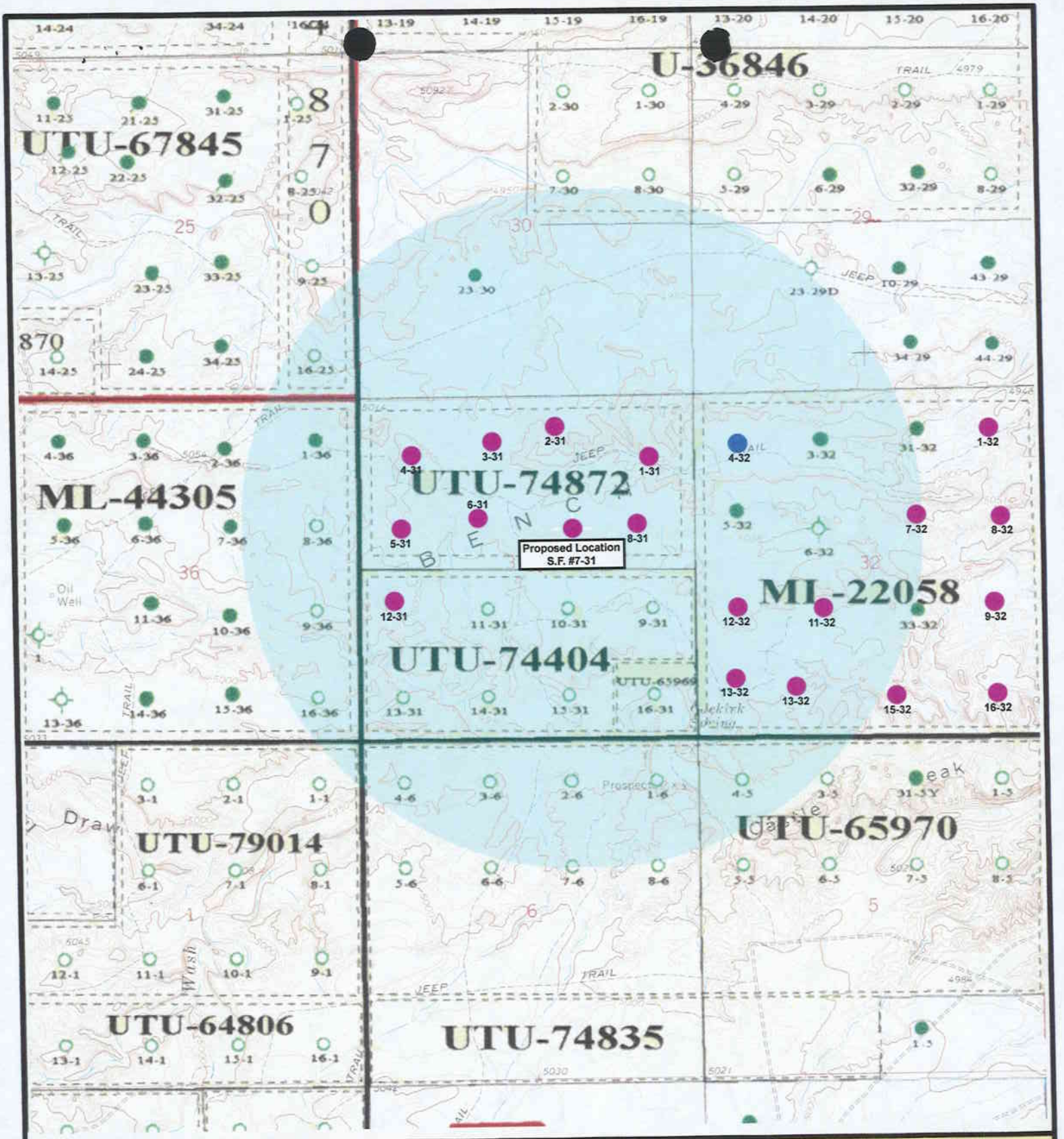


Exhibit "A"

Uinta Basin

UINTAH COUNTY, UTAH

Duchesne & Uintah Counties, Utah



Inland RESOURCES INC.

Sundance Federal #7-31
SEC. 31, T8S. R18E, S.L.B.&M.

N

Tri-State Land Surveying Inc.
(435) 781-2501
38 West 100 North Vernal, Utah 84078

SCALE: 1" = 2000'
DRAWN BY: D.J.
DATE: 12-27-2001

Legend

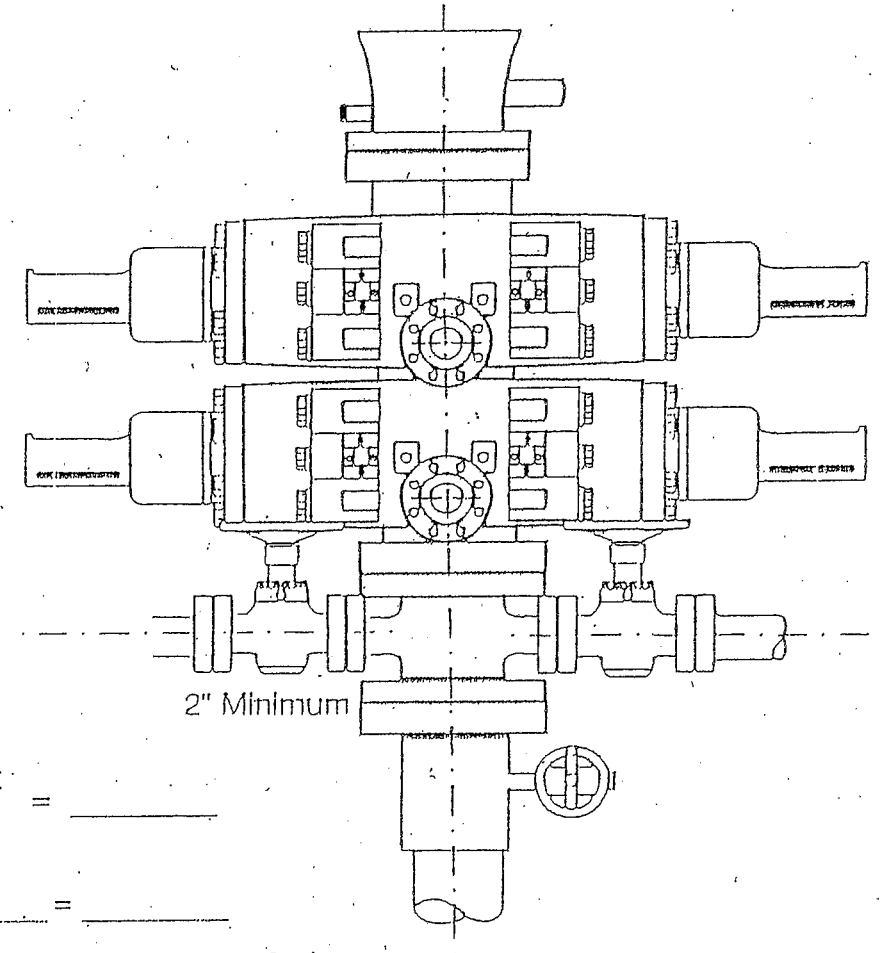
- Existing Wells
- Proposed Locations
- One Mile Radius

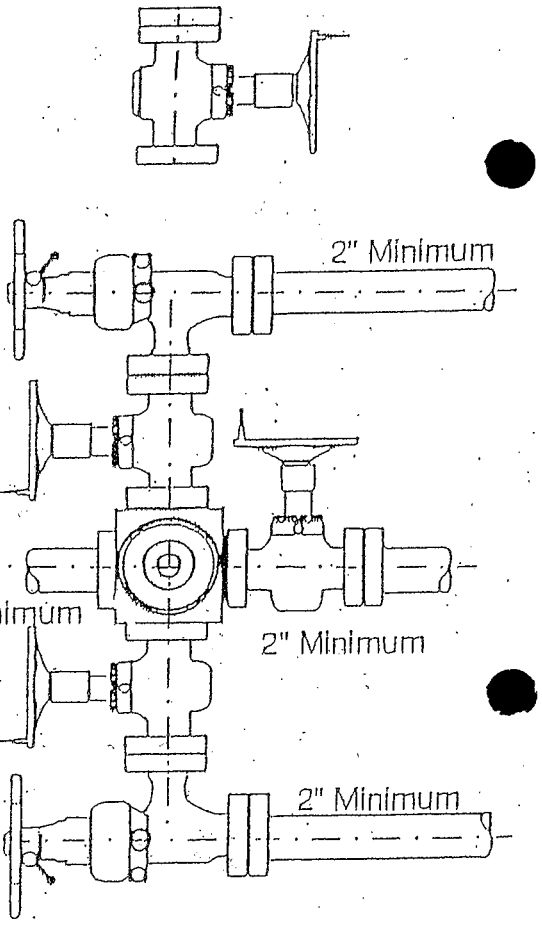
Exhibit "B"

RAM TYPE B.O.P.
Make:
Size:
Model:

2-M SYSTEM

EXHIBIT "C"





GAL TO CLOSE

Annular BOP = _____

Ramtype BOP

____Rams x _____ = _____

= _____Gal.

_____ x 2 = _____ Total Gal.

Rounding off to the next higher increment of 10 gal. would require

___ _ Gal. (total fluid & nitro volume)

002.

WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 02/04/2002

API NO. ASSIGNED: 43-047-34500

WELL NAME: SUNDANCE FED 7-31-8-18

OPERATOR: INLAND PRODUCTION (N5160)

CONTACT: MANDIE CROZIER

PHONE NUMBER: 435-646-3721

PROPOSED LOCATION:

SWNE 31 080S 180E

SURFACE: 2046 FNL 1878 FEL

BOTTOM: 2046 FNL 1878 FEL

UINTAH

8 MILE FLAT NORTH (590)

LEASE TYPE: 1 - Federal

LEASE NUMBER: UTU-74872

SURFACE OWNER: 1 - Federal

PROPOSED FORMATION: GRRV

INSPECT LOCATN BY: / /

Tech Review	Initials	Date
Engineering		
Geology		
Surface		

RECEIVED AND/OR REVIEWED:

✓ Plat

✓ Bond: Fed[1] Ind[] Sta[] Fee[]
(No. 4488944)

N Potash (Y/N)

N Oil Shale 190-5 (B) or 190-3 or 190-13

✓ Water Permit
(No. MUNICIPAL)

N RDCC Review (Y/N)
(Date:)

N/A Fee Surf Agreement (Y/N)

LOCATION AND SITING:

___ R649-2-3. Unit

✓ R649-3-2. General
Siting: 460 From Qtr/Qtr & 920' Between Wells

___ R649-3-3. Exception

___ Drilling Unit
Board Cause No:
Eff Date:
Siting:

___ R649-3-11. Directional Drill

COMMENTS: Mon. Butte Field SOP, Separate file.

STIPULATIONS: 1-Fed. Approval
2-Spacing Stip.

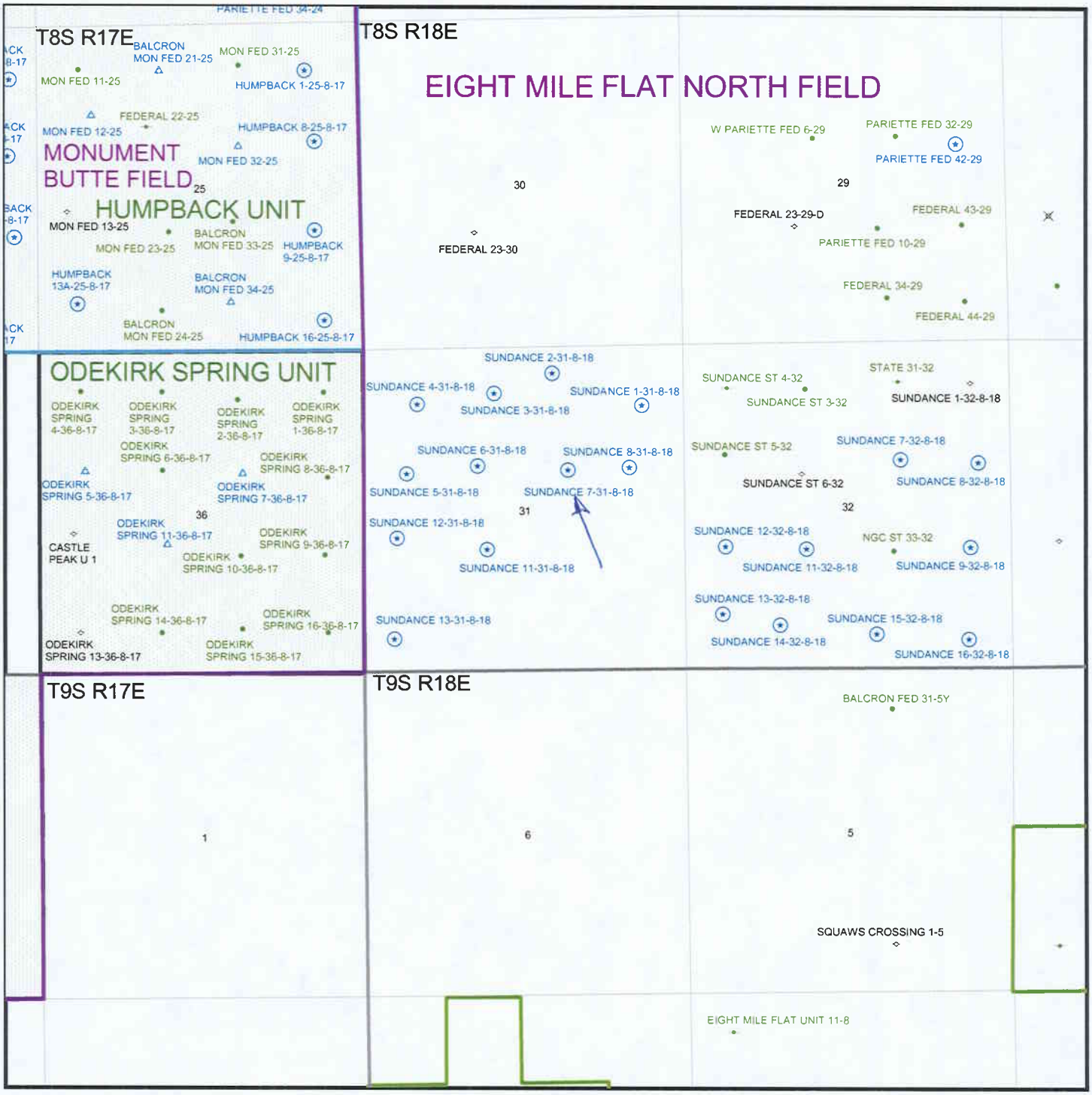
Utah Oil Gas and Mining

OPERATOR: INLAND PROD CO (N5160)

SEC. 31, T8S, R18E

FIELD: EIGHT MILE FLAT NORTH (590)

COUNTY: UINTAH



PREPARED BY: LCORDOVA
DATE: 13-FEBRUARY-2002

003

State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt
Governor
Kathleen Clarke
Executive Director
Lowell P. Braxton
Division Director

1594 West North Temple, Suite 1210
PO Box 145801
Salt Lake City, Utah 84114-5801
801-538-5340
801-359-3940 (Fax)
801-538-7223 (TDD)

February 14, 2002

Inland Production Company
Route 3 Box 3630
Myton UT 84052

Re: Sundance Federal 7-31-8-18 Well, 2046' FNL, 1878' FEL, SW NE, Sec. 31, T. 8 South, R. 18 East, Uintah County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann.§ 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-047-34500.

Sincerely,

John R. Baza
Associate Director

er
Enclosures
cc: Uintah County Assessor
Bureau of Land Management, Vernal District Office

Operator: Inland Production Company

Well Name & Number Sundance Federal 7-31-8-18

API Number: 43-047-34500

Lease: UTU-74872

Location: SW NE **Sec.** 31 **T.** 8 South **R.** 18 East

Conditions of Approval

1. General

   Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

2. Notification Requirements

   Notify the Division within 24 hours of spudding the well.

   - Contact Carol Daniels at (801) 538-5284.

   Notify the Division prior to commencing operations to plug and abandon the well.

   - Contact Dan Jarvis at (801) 538-5338

3. Reporting Requirements

   All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

4. State approval of this well does not supersede the required federal approval, which must be obtained prior to drilling.

5. This proposed well is located in an area for which drilling units (well spacing patterns) have not been established through an order of the Board of Oil, Gas and Mining (the "Board"). In order to avoid the possibility of waste or injury to correlative rights, the operator is requested, once the well has been drilled, completed, and has produced, to analyze geological and engineering data generated therefrom, as well as any similar data from surrounding areas if available. As soon as is practicable after completion of its analysis, and if the analysis suggests an area larger than the quarter-quarter section upon which the well is located is being drained, the operator is requested to seek an appropriate order from the Board establishing drilling and spacing units in conformance with such analysis by filing a Request for Agency Action with the Board.

FORM 3160-5
(June 1990)

004

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry a different reservoir.
Use "APPLICATION FOR PERMIT -" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well
[X] Oil Well [ ] Gas Well [ ] Other

2. Name of Operator
INLAND PRODUCTION COMPANY

3. Address and Telephone No.
Rt. 3 Box 3630, Myton Utah, 84052 435-646-3721

4. Location of Well (Footage, Sec., T., R., m., or Survey Description)
2046 FNL 1878 FEL SW/NE Section 31, T8S R18E

5. Lease Designation and Serial No.
UTU-74872

6. If Indian, Allottee or Tribe Name
NA

7. If Unit or CA, Agreement Designation
NA

8. Well Name and No.
SUNDANCE FED 7-31-8-18

9. API Well No.
43-047-34500

10. Field and Pool, or Exploratory Area
EIGHT MILE FLAT NORTI

11. County or Parish, State
UINTAH COUNTY, UTAH

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION	
[X] Notice of Intent	[ ] Abandonment	[ ] Change of Plans
[ ] Subsequent Report	[ ] Recompletion	[ ] New Construction
[ ] Final Abandonment Notice	[ ] Plugging Back	[ ] Non-Routine Fracturing
	[ ] Casing Repair	[ ] Water Shut-Off
	[ ] Altering Casing	[ ] Conversion to Injection
	[X] Other **Permit Extension**	[ ] Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Inland Production Company requests to extend the permit to drill this well for one year.

Approved by the
Utah Division of
Oil, Gas and Mining
Date: 02-13-03
By:

RECEIVED
FEB 04 2003
DIV. OF OIL, GAS & MINING

COPY SENT TO OPERATOR
Date: 02-14-03
Initials: CHD

14. I hereby certify that the foregoing is true and correct
Signed Mandie Crozier Title Permit Clerk Date 2/3/03
Mandie Crozier

CC: UTAH DOGM

(This space for Federal or State office use)
Approved by _____ Title _____ Date _____
Conditions of approval, if any:

CC: Utah DOGM

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fradulent statements or representations as to any matter within its jurisdiction.

PRODUCTION COMPANY
A Subsidiary of Inland Resources Inc.

June 13, 2003

State of Utah
Division of Oil, Gas & Mining
Attn: Diana Mason
1594 West North Temple - Suite 1210
P.O. Box 145801
Salt Lake City, Utah 84114-5801

RE: Amended Applications for Permit to Drill Wells No: 1-31-8-18, 7-31-8-18, 8-31-8-18, 10-31-8-18, 11-31-8-18, and 14-31-8-18.

Dear Diana:

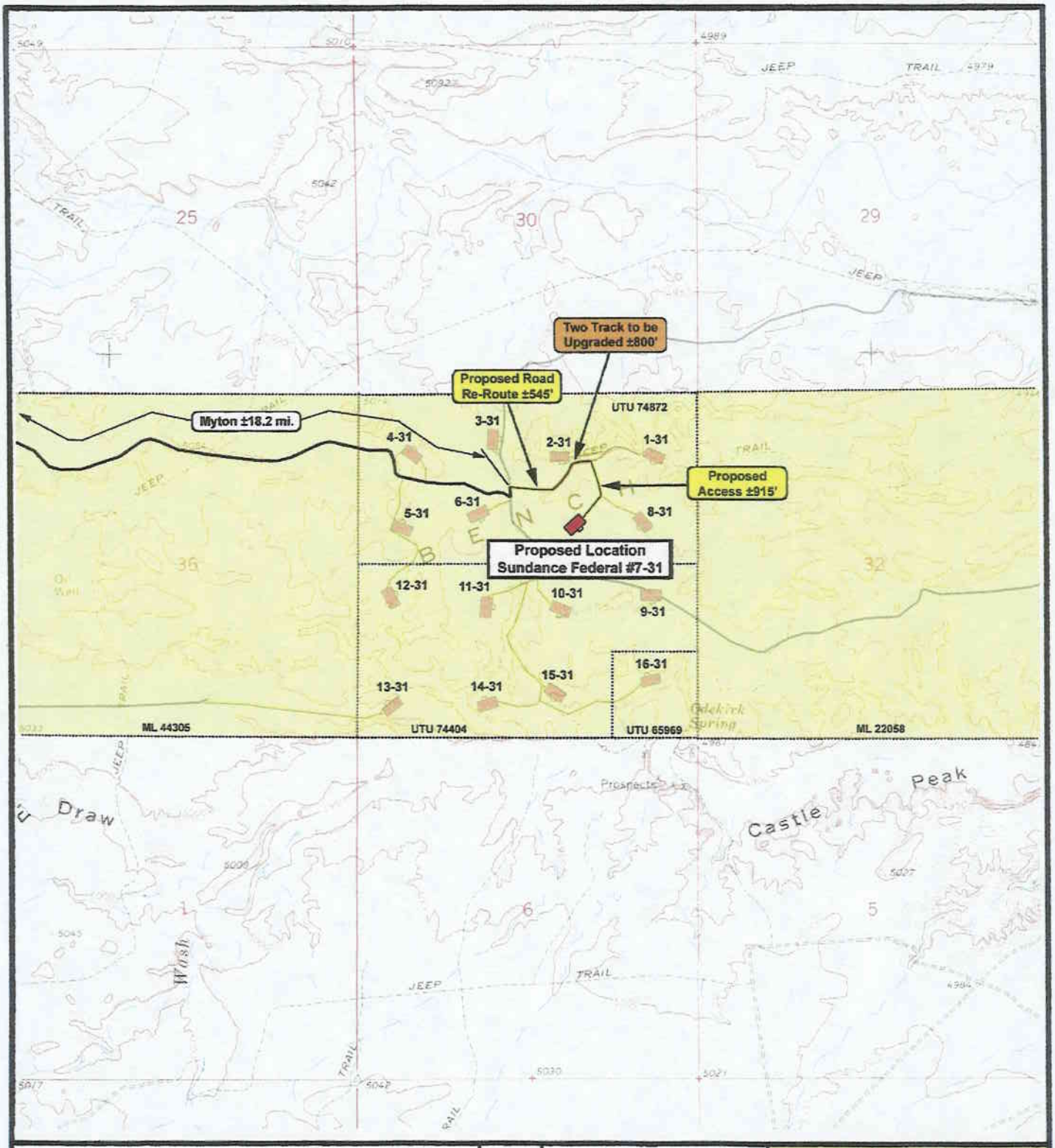
Enclosed find the amended Topographic Map "B" and Topographic Map "C" on the above mentioned locations. Since submission there have been some topographic changes on the proposed access roads as well as the proposed gas and water lines. Please replace the maps originally submitted with the revised maps that I have enclosed. If you have any questions, feel free to give either Brad or myself a call.

Sincerely,

Mandie Crozier
Regulatory Specialist

enclosures

Inland Production Company Field Office • Route 3, Box 3630 • Myton, UT 84052 • 435-646-3721 • FAX 435-646-3031
Corporate Office • 410 Seventeenth Street, Suite 700 • Denver, CO 80202 • 303-893-0102 • FAX 303-893-0103



Inland RESOURCES INC.

Sundance Federal #7-31
SEC. 31, T8S, R18E, S.L.B.&M.

N

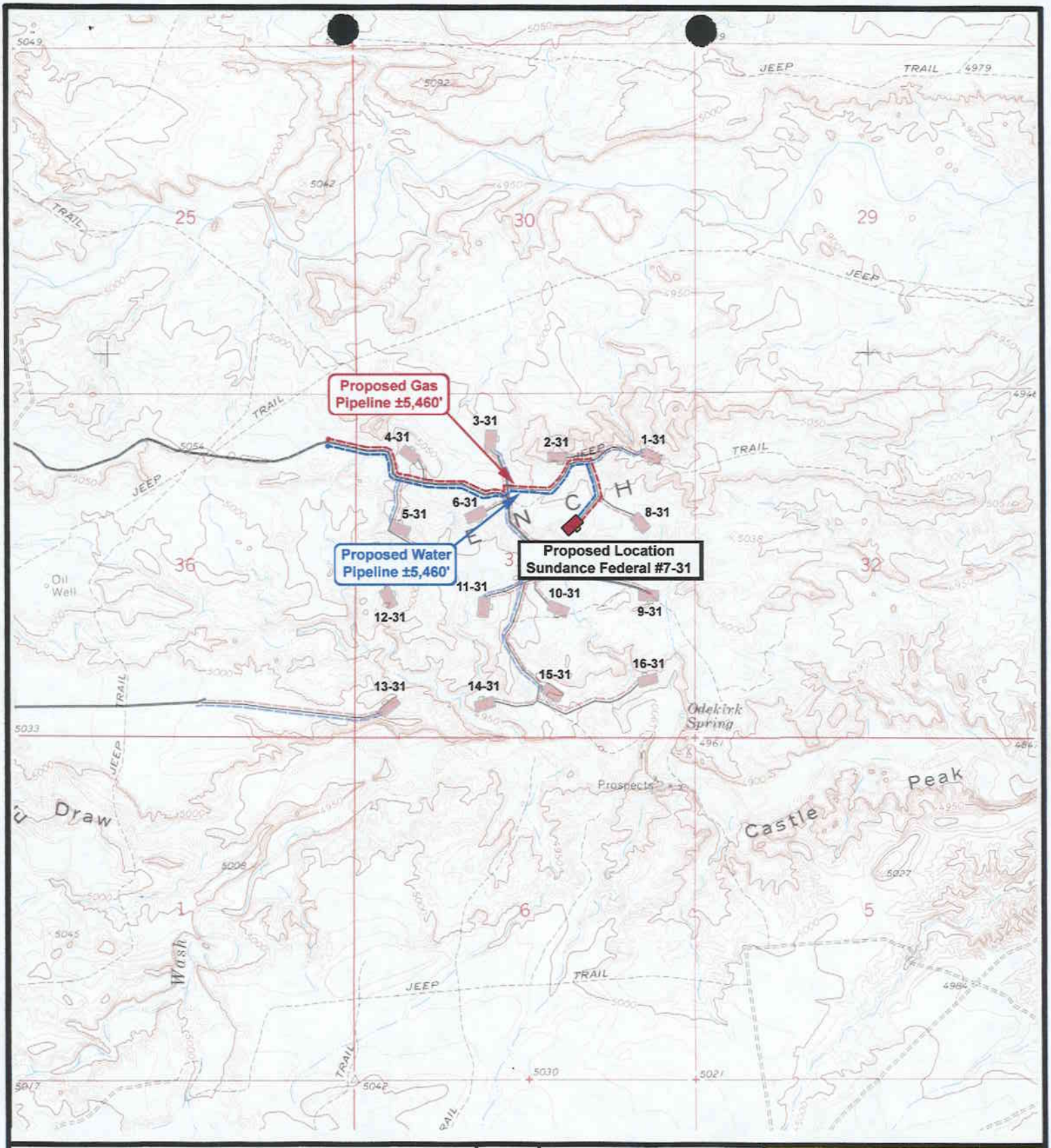
Tri-State Land Surveying Inc.
(435) 781-2501
180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1" = 2,000'
DRAWN BY: R.A.B.
DATE: 05-28-2003

Legend

- Existing Road
- Proposed Access
- Upgraded Access

TOPOGRAPHIC MAP
"B"



Inland RESOURCES INC.

Sundance Federal #7-31
SEC. 31, T8S, R18E, S.L.B.&M.

N

Tri-State Land Surveying Inc.
(435) 781-2501
180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1" = 2,000'
DRAWN BY: R.A.B.
DATE: 05-28-2003

Legend

- Roads
- Proposed Gas Line
- Proposed Water Line

TOPOGRAPHIC MAP "C"

FORM 3160-3
(December 1990)

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 1004-0136
Expires December 31, 1991

005

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

5. LEASE DESIGNATION AND SERIAL NO.: UTU-74872

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: N/A

1a. TYPE OF WORK: DRILL [X] DEEPEN [ ]

1b. TYPE OF WELL

OIL WELL [X] GAS WELL [ ] OTHER [ ] SINGLE ZONE [ ] MULTIPLE ZONE [X]

7. UNIT AGREEMENT NAME: N/A

8. FARM OR LEASE NAME WELL NO: 7-31-8-18

2. NAME OF OPERATOR: Inland Production Company

9. API WELL NO.: 43-047-34500

3. ADDRESS OF OPERATOR: Route #3 Box 3630, Myton, UT 84052 Phone: (435) 646-3721

10. FIELD AND POOL OR WILDCAT: Monument Butte

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)
At Surface: SW/NE 2046' FNL 1878' FEL
At proposed Prod. Zone:

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: SW/NE Sec. 31, T8S, R18E

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*: Approximately 20.6 miles southeast of Myton, Utah

12. County: Uintah

13. STATE: UT

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT.(Also to	16. NO. OF ACRES IN LEASE	17. NO. OF ACRES ASSIGNED TO THIS WELL
Approx. 594' f/lse line	677.36	40
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR ON THIS LEASE, FT.	**19. PROPOSED DEPTH**	**20. ROTARY OR CABLE TOOLS**
Approx. 1552'	6500'	Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.): 5032.1' GR

22. APPROX. DATE WORK WILL START*: 1st Quarter 2002

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT/FOOT	SETTING DEPTH	QUANTITY OF CEMENT
Refer to Monument Butte Field SOP's Drilling Program/Casing Design				

Inland Production Company proposes to drill this well in accordance with the attached exhibits.

The Conditions of Approval are also attached.

COPY

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM : If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.
SIGNED Mandie Crozier TITLE Permit Clerk DATE 2/1/02

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY _____ TITLE _____ DATE _____

*See Instructions On Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

FORM 3160-3
(December 1990)

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 1004-0136
Expires December 31, 1991

006

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

5. LEASE DESIGNATION AND SERIAL NO.: UTU-74872

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: N/A

1a. TYPE OF WORK: DRILL [X] DEEPEN [ ]

1b. TYPE OF WELL
OIL WELL [X] GAS WELL [ ] OTHER [ ] SINGLE ZONE [X] MULTIPLE ZONE [ ]

7. UNIT AGREEMENT NAME: N/A

8. FARM OR LEASE NAME WELL NO: 7-31-8-18

2. NAME OF OPERATOR: Inland Production Company

9. API WELL NO.:

3. ADDRESS OF OPERATOR: Route #3 Box 3630, Myton, UT 84052 Phone: (435) 646-3721

10. FIELD AND POOL OR WILDCAT: Monument Butte

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)
At Surface: SW/NE 2046' FNL 1878' FEL
At proposed Prod. Zone:

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: SW/NE Sec. 31, T8S, R18E

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*: Approximately 20.6 miles southeast of Myton, Utah

12. County: Uintah

13. STATE: UT

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT.(Also to	16. NO. OF ACRES IN LEASE	17. NO. OF ACRES ASSIGNED TO THIS WELL
Approx. 594' f/lse line	677.36	40
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR ON THIS LEASE, FT.	**19. PROPOSED DEPTH**	**20. ROTARY OR CABLE TOOLS**
Approx. 1552'	6500'	Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.): 5032.1' GR

22. APPROX. DATE WORK WILL START*: 1st Quarter 2002

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT/FOOT	SETTING DEPTH	QUANTITY OF CEMENT
Refer to Monument Butte Field SOP's Drilling Program/Casing Design				

Inland Production Company proposes to drill this well in accordance with the attached exhibits.

The Conditions of Approval are also attached.

RECEIVED
SEP 0 8 2003
DIV. OF OIL, GAS & MINING

RECEIVED
FEB 0 4 2002

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM : If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.
SIGNED Mandie Crozier TITLE Permit Clerk DATE 2/1/02

(This space for Federal or State office use)

NOTICE OF APPROVAL

PERMIT NO. _____ APPROVAL DATE _____

CONDITIONS OF APPROVAL ATTACHED

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY Howard B Cleavinger II TITLE Assistant Field Manager Mineral Resources DATE 09/03/2003

*See Instructions On Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

NOS

CONDITIONS OF APPROVAL
APPLICATION FOR PERMIT TO DRILL

Company/Operator: Inland Production Company

Well Name & Number: 7-31-8-18

API Number: 43-047-34500

Lease Number: U -74872

Location: SWNE Sec. 31 T. 8S R. 18E

Agreement: N/A

For more specific details on notification requirements, please check the Conditions of Approval for Notice to Drill and Surface Use Program.

CONDITIONS OF APPROVAL FOR NOTICE TO DRILL

Approval of this application does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Be aware fire restrictions may be in effect when location is being constructed and/or when well is being drilled. Contact the appropriate Surface Management Agency for information.

A. DRILLING PROGRAM

1. Casing Program and Auxiliary Equipment

As a minimum, the usable water resources and other resources shall be isolated and/or protected by having a cement top for the production casing at least 200 ft. above the top of the Green River Formation, identified at ± 1,827 ft.

SURFACE USE PROGRAM
CONDITIONS OF APPROVAL (COAs)

In order to mitigate long-term impacts to nesting Golden Eagles, a field survey will be conducted prior to any surface disturbance activities to determine if nests are present. The survey will be conducted prior to construction or surface disturbing activities by a qualified wildlife biologist acceptable to the BLM. If active nests or nests which have been active during the year are found within ½ mile of the well location, no construction or drilling will be allowed. If inactive nests (nests which have been inactive for two or more years) are found within ½ mile, no construction or drilling will be allowed during the nesting season of February 1 to July 15.

FORM 3160-5
(June 1990)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

007

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry a different reservoir.
Use "APPLICATION FOR PERMIT -" for such proposals

SUBMIT IN TRIPLICATE

5. Lease Designation and Serial No.
UTU-74872

6. If Indian, Allottee or Tribe Name
NA

7. If Unit or CA, Agreement Designation
N/A

1. Type of Well
[X] Oil Well [ ] Gas Well [ ] Other

8. Well Name and No.
7-31-8-18

9. API Well No.
43-047-34500

2. Name of Operator
INLAND PRODUCTION COMPANY

10. Field and Pool, or Exploratory Area
8 MILE FLAT NORTH

3. Address and Telephone No.
Rt. 3 Box 3630, Myton Utah, 84052 435-646-3721

11. County or Parish, State
UINTAH COUNTY, UT

4. Location of Well (Footage, Sec., T., R., m., or Survey Description)
2046 FNL 1979 FEL SW/NE Section 31, T8S R18E

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION	
[X] Notice of Intent	[ ] Abandonment	[ ] Change of Plans
[ ] Subsequent Report	[ ] Recompletion	[ ] New Construction
[ ] Final Abandonment Notice	[ ] Plugging Back	[ ] Non-Routine Fracturing
	[ ] Casing Repair	[ ] Water Shut-Off
	[ ] Altering Casing	[ ] Conversion to Injection
	[X] Other Change of Name	[ ] Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Effective September 25, 2003 Inland Production Company is changing the name of the 7-31-8-18 to the **Federal 7-31-8-18.**

14. I hereby certify that the foregoing is true and correct

Signed Mandie Crozier Title Regulatory Specialist Date 9/25/2003

Mandie Crozier

CC: UTAH DOGM

(This space for Federal or State office use)

Approved by _____ Title _____ Date _____

Conditions of approval, if any:

CC: Utah DOGM

RECEIVED
SEP 26 2003
DIV. OF OIL, GAS & MINING

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fradulent statements or representations as to any matter within its jurisdiction.

008

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

Name of Company: **INLAND PRODUCTION COMPANY**

Well Name: **FEDERAL 7-31-8-18**

Api No: **43-047-34500** Lease Type: **FEDERAL**

Section **31** Township **08S** Range **18E** County **UINTAH**

Drilling Contractor **LEON ROSS RATHOLE** RIG # **15**

SPUDDED:

Date **10/13/03**

Time **9:00 AM**

How **DRY**

Drilling will commence: _____

Reported by **PAT WISENER**

Telephone # **1-435-823-7468**

Date **10/14/2003** Signed **CHD**

009

RECEIVED

OCT 16 2003

DIV. OF OIL, GAS & MINING

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING
ENTITY ACTION FORM -FORM 6

OPERATOR: INLAND PRODUCTION COMPANY
ADDRESS: RT. 3 BOX 3630
MYTON, UT 84052

OPERATOR ACCT. NO. N5160

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	QQ	SC	TP	RG	COUNTY	SPUD DATE	EFFECTIVE DATE
A	99999	13923	43-013-32297	Ashley #6-11-9-15	SE/NW	11	9S	15E	Duchesne	October 8, 2003	10/16/03

WELL 1 COMMENTS: GRRV

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	QQ	SC	TP	RG	COUNTY	SPUD DATE	EFFECTIVE DATE
[redacted]	99999	13924	43-047-34501	Federal #11-31-8-18	NE/SW	31	8S	18E	Uintah	October 9, 2003	10/16/03

WELL 2 COMMENTS: GRRV

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	QQ	SC	TP	RG	COUNTY	SPUD DATE	EFFECTIVE DATE
A	99999	13925	43-047-34500	Federal #7-31-8-18	SW/NE	31	8S	18E	Uintah	October 13,2003	10/16/03

WELL 3 COMMENTS: GRRV

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	QQ	SC	TP	RG	COUNTY	SPUD DATE	EFFECTIVE DATE
A	99999	13926	43-013-32295	Ashley #4-11-9-15	NW/NW	11	9S	15E	Duchesne	October 13, 2003	10/16/03

WELL 4 COMMENTS: GRRV

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	QQ	SC	TP	RG	COUNTY	SPUD DATE	EFFECTIVE DATE
A	99999	13927	43-047-34494	Federal #1-31-8-18	NE/NE	31	8S	18E	Uintah	October 15, 2003	10/16/03

WELL 5 COMMENTS: GRRV

ACTION CODES (See instructions on back of form)
- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (explain in comments section)

NOTE: Use COMMENT section to explain why each Action Code was selected.

Kebbie S. Jones
Signature
Production Clerk
Title
October 16, 2003
Date

(3/89)

PAGE 02 INLAND 4356463031 10/16/2003 15:11

FORM 3160-5
(June 1990)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

010

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry a different reservoir.
Use "APPLICATION FOR PERMIT -" for such proposals

SUBMIT IN TRIPLICATE

5. Lease Designation and Serial No.
UTU-74872

6. If Indian, Allottee or Tribe Name
NA

7. If Unit or CA, Agreement Designation
N/A

1. Type of Well
[X] Oil Well [ ] Gas Well [ ] Other

8. Well Name and No.
FEDERAL 7-31-8-18

9. API Well No.
43-047-34500

2. Name of Operator
INLAND PRODUCTION COMPANY

10. Field and Pool, or Exploratory Area
8 MILE FLAT NORTH

3. Address and Telephone No.
Rt. 3 Box 3630, Myton Utah, 84052 435-646-3721

11. County or Parish, State
UINTAH COUNTY, UT

4. Location of Well (Footage, Sec., T., R., m., or Survey Description)
2046 FNL 1878 FEL SW/NE Section 31, T8S R18E

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION	
[ ] Notice of Intent	[ ] Abandonment	[ ] Change of Plans
[X] Subsequent Report	[ ] Recompletion	[ ] New Construction
[ ] Final Abandonment Notice	[ ] Plugging Back	[ ] Non-Routine Fracturing
	[ ] Casing Repair	[ ] Water Shut-Off
	[ ] Altering Casing	[ ] Conversion to Injection
	[X] Other Spud Notice	[ ] Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

On 10-13-03 MIRU Ross # 15. Spud well @ 7:00 am. Drill 307' of 12 1/4" hole with air mist. TIH w/ 7 Jt's 85/8" J-55 24# csgn. Set @ 312.79'/KB. On 10-15-03. Cement with 150 sks of Class "G" w/ 2% CaCL2 + 1/4# sk Cello-Flake Mixed @ 15.8 ppg > 1.17 cf/sk yeild. 4 bbls cement returned to surface. WOC.

14. I hereby certify that the foregoing is true and correct

Signed Pat Wisener Title Drilling Foreman Date 10/16/2003

Pat Wisener

CC: UTAH DOGM

(This space for Federal or State office use)

Approved by _____ Title _____ Date _____

Conditions of approval, if any:

CC: Utah DOGM

RECEIVED
OCT 20 2003
DIV. OF OIL, GAS & MINING

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fradulent statements or representations as to any matter within its jurisdiction.

INLAND PRODUCTION COMPANY - CASING & CEMENT REPORT

8 5/8 CASING SET AT 304.54

LAST CASING 8 5/8" SET AT 304'
DATUM 12' KB
DATUM TO CUT OFF CASING
DATUM TO BRADENHEAD FLANGE
TD DRILLER 307 LOGGER
HOLE SIZE 12 1/4

OPERATOR Inland Production Company
WELL Federal 7-31-8-18
FIELD/PROSPECT Monument Butte
CONTRACTOR & RIG # Ross # 15

LOG OF CASING STRING:

PIECES	OD	ITEM - MAKE - DESCRIPTION	WT / FT	GRD	THREAD	CONDT	LENGTH
		39.02'sh jt' shjt					
		WHI - 92 csg head			8rd	A	0.95
7	8 5/8"	Maverick ST&C csg	24#	J-55	8rd	A	292.69
		GUIDE shoe			8rd	A	0.9

CASING INVENTORY BAL.	FEET	JTS
TOTAL LENGTH OF STRING	294.54	7
LESS NON CSG. ITEMS	1.85	
PLUS FULL JTS. LEFT OUT	0	
TOTAL	292.69	7
TOTAL CSG. DEL. (W/O THRDS)	292.69	7
TIMING	1ST STAGE	
BEGIN RUN CSG.	SPUD	10/13/2003
CSG. IN HOLE		9:00am
BEGIN CIRC		
BEGIN PUMP CMT		
BEGIN DSPL. CMT		
PLUG DOWN	Cemented	10/15/2003

TOTAL LENGTH OF STRING	294.54
LESS CUT OFF PIECE	2
PLUS DATUM TO T/CUT OFF CSG	12
CASING SET DEPTH	304.54

} COMPARE

GOOD CIRC THRU JOB yes
Bbls CMT CIRC TO SURFACE 4 bbls
RECIPROCATED PIPE FOR ____ THRU ____ FT STROKE
DID BACK PRES. VALVE HOLD ? N/A
BUMPED PLUG TO 200 PSI

CEMENT USED		CEMENT COMPANY- B. J.
STAGE	# SX	CEMENT TYPE & ADDITIVES
1	150	Class "G" w/ 2% CaCL2 + 1/4#/sk Cello-Flake mixed @ 15.8 ppg 1.17 cf/sk yield

CENTRALIZER & SCRATCHER PLACEMENT — SHOW MAKE & SPACING

Centralizers - Middle first, top second & third for 3

COMPANY REPRESENTATIVE Pat Wisener DATE 10/15/2003

RECEIVED
OCT 20 2003
DIV. OF OIL, GAS & MINING

FORM 3160-5
(June 1990)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

011

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry a different reservoir.
Use "APPLICATION FOR PERMIT -" for such proposals

SUBMIT IN TRIPLICATE

5. Lease Designation and Serial No.
UTU-74872

6. If Indian, Allottee or Tribe Name
NA

7. If Unit or CA, Agreement Designation
N/A

1. Type of Well
[X] Oil Well [ ] Gas Well [ ] Other

8. Well Name and No.
FEDERAL 7-31-8-18

9. API Well No.
43-047-34500

2. Name of Operator
INLAND PRODUCTION COMPANY

10. Field and Pool, or Exploratory Area
8 MILE FLAT NORTH

3. Address and Telephone No.
Rt. 3 Box 3630, Myton Utah, 84052 435-646-3721

11. County or Parish, State
UINTAH COUNTY, UT

4. Location of Well (Footage, Sec., T., R., m., or Survey Description)
2046 FNL 1878 FEL SW/NE Section 31, T8S R18E

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION	
[ ] Notice of Intent	[ ] Abandonment	[ ] Change of Plans
[X] Subsequent Report	[ ] Recompletion	[ ] New Construction
[ ] Final Abandonment Notice	[ ] Plugging Back	[ ] Non-Routine Fracturing
	[ ] Casing Repair	[ ] Water Shut-Off
	[ ] Altering Casing	[ ] Conversion to Injection
	[X] Other Weekly Status Report	[ ] Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

On 10-18-03. MIRU Eagle #1. Set equipment. Pressure test Bop's, Kelly, & TIW to 2,000 psi. Test 85/8" csgn to 1,500 psi. Vernal BLM office was notified of test. PU BHA and tag cement @ 260'. Drill out cement & shoe. Continue to drill a 77/8" hole with fresh water to a depth of 6271'. Lay down drill string, BHA. Open hole log from TD to surface. PU & MU guide shoe, 1 jt 51/2" J-55 15.5 # csgn. Float collar, & 146 Jt's 51/2" J-55 15.5# csgn. Set @ 6271'/ KB. Cement with 300 sks Prem Lite ll w/ 3% KCL, 8 % Gel, 5#"s sk CSE, 3#'s sk Kolseal, .8% Sms, 1/4# sks Celloflake. Mixed @ 11.0 ppg, >3.42 yld. Followed by 400 sks 50/50 Poz w/ 3% KCL, 2% Gel, .05% Static free, 1/4# sk Celloflake. Mixed @ 14.4 ppg, > 1.24 yld. Lost circulation w/ 75 0f 142 bbls displacement gone. Slowed rate to 3 bbls circulation returned after 30 bbls pumped. Est cement top @ 1000'. Nipple down BOP's. Drop slips @ 70,000 # 's tension. Clean pit's & release rig @ 5:00am on 10-25-03

14. I hereby certify that the foregoing is true and correct

Signed Pat Wisener Title Drilling Foreman Date 10/26/2003

Pat Wisener

CC: UTAH DOGM

(This space for Federal or State office use)

Approved by _____ Title _____ Date _____

Conditions of approval, if any:

CC: Utah DOGM

RECEIVED
OCT 28 2003
DIV. OF OIL, GAS & MINING

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fradulent statements or representations as to any matter within its jurisdiction.

INLAND PRODUCTION COMPANY - CASING & CEMENT REPORT

5 1/2" CASING SET AT 6271.57

Flt cllr @ 6227'

LAST CASING 8 5/8" SET AT 304'/KB

OPERATOR Inland Production Company

DATUM 12' KB

WELL Federal 7-31-8-18

DATUM TO CUT OFF CASING 12'

FIELD/PROSPECT Monument Butte

DATUM TO BRADENHEAD FLANGE

CONTRACTOR & RIG # Eagle # 1

TD DRILLER 6270 LOGGER 6273'

HOLE SIZE 7 7/8"

LOG OF CASING STRING:

PIECES	OD	ITEM - MAKE - DESCRIPTION	WT / FT	GRD	THREAD	CONDT	LENGTH
		Landing Jt					14
		6' @ 4288'					
146	5 1/2"	ETC LT & C casing	15.5#	J-55	8rd	A	6215.18
		Float collar					0.6
1	5 1/2"	ETC LT&C csg	15.5#	J-55	8rd	A	43.14
		GUIDE shoe			8rd	A	0.65

CASING INVENTORY BAL.	FEET	JTS
TOTAL LENGTH OF STRING	6273.57	147
LESS NON CSG. ITEMS	15.25	
PLUS FULL JTS. LEFT OUT	87.78	2
TOTAL	6346.10	149
TOTAL CSG. DEL. (W/O THRDS)	6346.68	149
TIMING :	1ST STAGE	2nd STAGE
BEGIN RUN CSG.	5:30PM	
CSG. IN HOLE	9:00PM	
BEGIN CIRC	9:45PM	11:30PM
BEGIN PUMP CMT	11:30PM	11:58 AM
BEGIN DSPL. CMT	12:06AM	
PLUG DOWN		12:46

TOTAL LENGTH OF STRING	6273.57
LESS CUT OFF PIECE	14
PLUS DATUM TO T/CUT OFF CSG	12
CASING SET DEPTH	6271.57

} COMPARE

GOOD CIRC THRU JOB NO

Bbls CMT CIRC TO SURFACE NO

RECIPROCATED PIPE FOR

DID BACK PRES. VALVE HOLD ? yes

BUMPED PLUG TO 1740 PSI

CEMENT USED		CEMENT COMPANY- B. J.
STAGE	# SX	CEMENT TYPE & ADDITIVES
1	300	Premlite II w/ 10% gel + 3 % KCL, 5#'s /sk CSE + 2# sk/kolseal + 1/4#'s/sk Cello Flake
		mixed @ 11.0 ppg W / 3.43 cf/sk yield
2	400	50/50 poz W/ 2% Gel + 3% KCL, .5%EC1.1/4# sk C.F. 2% gel. 3% SM mixed @ 14.4 ppg W/ 1.24 YLD

CENTRALIZER & SCRATCHER PLACEMENT — SHOW MAKE & SPACING

Centralizers - Middle first, top second & third. Then every third collar for a total of 20.

COMPANY REPRESENTATIVE Floyd Mitchell DATE 10/24/2003

RECEIVED
OCT 28 2003
DIV. OF OIL, GAS & MINING

FORM 3160-5
(September 2001)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0135
Expires January 31,2004

012

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other Insturctions on reverse side

5. Lease Serial No.
UTU-74872

6. If Indian, Allottee or Tribe Name.

7. If Unit or CA/Agreement, Name and/or
EIGHT MILE FLAT AREA

1. Type of Well
☒ Oil Well ☐ Gas Well ☐ Other

8. Well Name and No.
FEDERAL 7-31-8-18

2. Name of Operator
Inland Production Company

9. API Well No.
430473450000

3a. Address Route 3 Box 3630
Myton, UT 84052

3b. Phone *(include are code)*
435.646.3721

10. Field and Pool, or Exploratory Area
Monument Butte

4. Location of *(Footage, Sec., T., R., M., or Survey Description)*
2046 FNL 1878 FEL
SW/NE Section 31 T8S R18E

11. County or Parish, State
Uintah,UT

12. CHECK APPROPRIATE BOX(ES) TO INIDICATE NATURE OF NOTICE, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☐ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production(Start/Resume)	☐ Water Shut-Off
☒ Subsequent Report	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other Weekly Status Report
	☐ Change Plans	☐ Plug & Abandon	☐ Temporarily Abandon	
	☐ Convert to	☐ Plug Back	☐ Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontalley, give subsurface locations and measured and tur vericaldepths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 sahll be filed once testing has been completed. Final

Status report for time period 11/6/03 – 11/18/03 Subject well had completion procedures initiated in the Green River formation on 11/6/03 without the use of a service rig over the well. A cement bond log was run and a total of four Green River intervals were perforated and hydraulically fracture treated w/ 20/40 mesh sand. Perf intervals were #1 (6001-6008') (4 JSPF); #2 (5924-5931'), (5861-5866') (All 4 JSPF); #3 (5302-5307'), (5294-5298'), and (5248-5290') (All 2 JSPF); #4 (4507-4512'), (4498-4503') (All 4 JSPF). Composite flow-through frac plugs were used between stages. Fracs were flowed back through chokes. A service rig was moved on well on 11/07/03. Composite plugs were drilled out. Well was cleaned out to PBTD @ 6227'. Zones were swab tested for sand cleanup. A BHA & production tbg string were run in and anchored in well. End of tubing string @ 6081.67'. A new 1 1/2" bore rod pump was run in well on sucker rods. Well was placed on production via rod pump on 11/18/03.

I hereby certify that the foregoing is true and correct *(Printed/ Typed)*
Martha Hall

Title
Office Manager

Signature
Martha Hall

Date
11/19/2003

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or which would entitle the applicant to conduct operations thereon.
certify that the applicant holds legal or equitable title to those rights in the subject lease

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious and fraudulent statements or representations as to any matter within its jurisdiction

(Instructions on reverse)

RECEIVED
NOV 20 2003
DIV. OF OIL, GAS & MINING

Inland
RESOURCES INC.

December 22, 2003

State of Utah, Division of Oil, Gas and Mining
Attn: Ms. Carol Daniels
P.O. Box 145801
Salt Lake City, Utah 84144-5801

Attn: Ms. Carol Daniels

Federal 7-13-8-18 (43-047-34500)
Uintah County, Utah

Dear Ms. Carol Daniels

Enclosed is a Well Completion or Recompletion Report and Log form (Form 3160-4). We are no longer sending Log copies since Dave Jull of Phoenix Surveys is already doing so.

If you should have any questions, please contact me at (303) 382-4449.

Sincerely,

Brian Harris
Engineering Tech

Enclosures

cc: Bureau of Land Management
Vernal District Office, Division of Minerals
Attn: Edwin I. Forsman
170 South 500 East
Vernal, Utah 84078

Well File – Denver
Well File – Roosevelt
Patsy Barreau/Denver
Bob Jewett/Denver

FORM 3160-4
(July 1992)

SUBMIT IN DUPLICATE* (See other instructions ons reverse side)

FORM APPROVED
OMB NO. 1004-0137
Expires: February 28, 1995

013

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

5. LEASE DESIGNATION AND SERIAL NO.: UTU-74872

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: NA

1a. TYPE OF WORK

1b. TYPE OF WELL: OIL WELL [X] GAS WELL [ ] DRY [ ] Other

NEW WELL [X] WORK OVER [ ] DEEPEN [ ] PLUG BACK [ ] DIFF RESVR. [ ] Other

7. UNIT AGREEMENT NAME:

8. FARM OR LEASE NAME, WELL NO.: Federal 7-31-8-18

2. NAME OF OPERATOR: INLAND RESOURCES INC.

9. WELL NO.: 43-047-34500

3. ADDRESS AND TELEPHONE NO.: 410 17th St. Suite 700 Denver, CO 80202

10. FIELD AND POOL OR WILDCAT: Monument Butte

4. LOCATION OF WELL (Report locations clearly and in accordance with any State requirements.*)
At Surface: 2046' FNL & 1878' FEL (SW NE) Sec. 31, Twp 8S, Rng 18E
At top prod. Interval reported below: FNL FEL
At total depth

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA: Sec. 31, Twp. 8S, Rng. 18E

14. API NO.	DATE ISSUED	12. COUNTY OR PARISH	13. STATE
43-047-34500	9/3/03	Uintah	UT

15. DATE SPUDDED	16. DATE T.D. REACHED	17. DATE COMPL. (Ready to prod.)	18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*		19. ELEV. CASINGHEAD
10/9/03	10/24/03	11/18/03	5032' GL	5044' KB	

20. TOTAL DEPTH, MD & TVD	21. PLUG BACK T.D., MD & TVD	22. IF MULTIPLE COMPL., HOW MANY*	23. INTERVALS DRILLED BY	ROTARY TOOLS	CABLE TOOLS
6270'	6227'		------->	X	

24. PRODUCING INTERVAL(S), OF THIS COMPLETION--TOP, BOTTOM, NAME (MD AND TVD)*: Green River 4498' - 6008'

25. WAS DIRECTIONAL SURVEY MADE: No

26. TYPE ELECTRIC AND OTHER LOGS RUN: Rec 11-18-03
Dual Induction Guard, SP, Compensated Density, Compensated Neutron, GR, Caliper, Cement Bond Log

27. WAS WELL CORED: No

23. CASING RECORD (Report all strings set in well)

CASING SIZE/GRADE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
8-5/8" - J-55	24#	304'	12-1/4"	To surface with 150 sx Class "G" cmt	
5-1/2" - J-55	15.5#	6271'	7-7/8"	300 sx Premlite II and 400 sx 50/50 Poz	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2-7/8"	EOT @ 6081'	TA @ 5979'

31. PERFORATION RECORD (Interval, size and number)

INTERVAL	SIZE	SPF/NUMBER
(CP3) 6001'-6008'	.038"	4/28
(CP1,2) 5861-66', 5924-31'	.038"	4/48
(LODC) 5248-90', 5294-98', 5302-07'	.038"	2/106
(GB6) 4498-4503', 4507-12'	.038"	4/40
	.038"	
	.038"	
	.038"	
	.038"	
	.038"	

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
6001'-6008'	Frac w/ 25,305# 20/40 sand in 309 bbls fluid.
5861'-5931'	Frac w/ 39,749# 20/40 sand in 394 bbls fluid.
5248'-5307'	Frac w/ 179,510# 20/40 sand in 1204 bbls fluid.
4498'-4512'	Frac w/ 40,650# 20/40 sand in 369 bbls fluid.

33.* PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping--size and type of pump)	WELL STATUS (Producing or shut-in)
11/18/03	2-1/2" x 1-1/2" x 15' RHAC Pump	PRODUCING

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD ----->	OIL--BBLS.	GAS--MCF.	WATER--BBL.	GAS-OIL RATIO
10 day ave				62	16	11	258

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE ----->	OIL-BBL.	GAS--MCF.	WATER--BBL.	OIL GRAVITY-API (CORR.)

RECEIVED
DEC 24 2003
DIV. OF OIL, GAS & MINING

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.): Sold & Used for Fuel

TEST WITNESSED BY

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED Brian Harris TITLE Engineering Technician DATE 12/22/2003

Brian Harris

BDH

*(See Instructions and Spaces for Additional Data on Reverse Side)

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals, and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries);

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
			Well Name **Federal 7-31-8-18**

38. GEOLOGIC MARKERS

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH
Garden Gulch Mkr	**3947'**	
Garden Gulch 1	**4172'**	
Garden Gulch 2	**4285'**	
Point 3 Mkr	**4548'**	
X Mkr	**4770'**	
Y-Mkr	**4803'**	
Douglas Creek Mkr	**4939'**	
BiCarbonate Mkr	**5176'**	
B Limestone Mkr		
Castle Peak	**5755'**	
Basal Carbonate	**6172'**	
Total Depth (LOGGERS	**6270'**	

FORM 3160-5
(June 1990)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry a different reservoir.
Use "APPLICATION FOR PERMIT -" for such proposals

SUBMIT IN TRIPLICATE

5. Lease Designation and Serial No.: **UTU-74872**

6. If Indian, Allottee or Tribe Name: **NA**

7. If Unit or CA, Agreement Designation: **N/A**

1. Type of Well: [X] Oil Well [ ] Gas Well [ ] Other

8. Well Name and No.: **FEDERAL 7-31-8-18**

9. API Well No.: **43-047-34500**

2. Name of Operator: **INLAND PRODUCTION COMPANY**

10. Field and Pool, or Exploratory Area: **8 MILE FLAT NORTH**

3. Address and Telephone No.: **Rt. 3 Box 3630, Myton Utah, 84052 435-646-3721**

11. County or Parish, State: **UINTAH COUNTY, UT**

4. Location of Well (Footage, Sec., T., R., m., or Survey Description)
2046 FNL 1878 FEL SW/NE Section 31, T8S R18E

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION	
[X] Notice of Intent	[ ] Abandonment	[ ] Change of Plans
[ ] Subsequent Report	[ ] Recompletion	[ ] New Construction
[ ] Final Abandonment Notice	[ ] Plugging Back	[ ] Non-Routine Fracturing
	[ ] Casing Repair	[ ] Water Shut-Off
	[ ] Altering Casing	[ ] Conversion to Injection
	[ ] Other _____	[X] Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Formation water is produced to a steel storage tank. If the production water meets quality guidelines, it is transported to the Ashley, Monument Butte, Jonah, and Beluga water injection facilities by company or contract trucks. Subsequently, the produced water is injected into approved Class II wells to enhance Inland's secondary recovery project.

Water not meeting quality criteria, is disposed at Inland's Pariette #4 disposal well (Sec. 7, T9S R19E) or at State of Utah approved surface disposal facilities.

RECEIVED
FEB 13 2004
DIV. OF OIL, GAS & MINING

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY

14. I hereby certify that the foregoing is true and correct

Signed Mandie Crozier Title Regulatory Specialist Date 2/11/2004

CC: UTAH DOGM

(This space for Federal or State office use)

Approved by _____ Title _____ Date _____

Conditions of approval, if any:

CC: Utah DOGM

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fradulent statements or representations as to any matter within its jurisdiction.

Corporations Section
P.O.Box 13697
Austin, Texas 78711-3697

Geoffrey S. Connor
Secretary of State

Office of the Secretary of State

The undersigned, as Secretary of State of Texas, does hereby certify that the attached is a true and correct copy of each document on file in this office as described below:

Newfield Production Company
Filing Number: 41530400

Articles of Amendment September 02, 2004

In testimony whereof, I have hereunto signed my name officially and caused to be impressed hereon the Seal of State at my office in Austin, Texas on September 10, 2004.

Secretary of State

ARTICLES OF AMENDMENT
TO THE
ARTICLES OF INCORPORATION
OF
INLAND PRODUCTION COMPANY

FILED
In the Office of the
Secretary of State of Texas

SEP 02 2004

Corporations Section

Pursuant to the provisions of Article 4.04 of the Texas Business Corporation Act (the "TBCA"), the undersigned corporation adopts the following articles of amendment to the articles of incorporation:

ARTICLE 1 – Name

The name of the corporation is Inland Production Company.

ARTICLE 2 – Amended Name

The following amendment to the Articles of Incorporation was approved by the Board of Directors and adopted by the shareholders of the corporation on August 27, 2004.

The amendment alters or changes Article One of the Articles of Incorporation to change the name of the corporation so that, as amended, Article One shall read in its entirety as follows:

"ARTICLE ONE – The name of the corporation is Newfield Production Company."

ARTICLE 3 – Effective Date of Filing

This document will become effective upon filing.

The holder of all of the shares outstanding and entitled to vote on said amendment has signed a consent in writing pursuant to Article 9.10 of the TBCA, adopting said amendment, and any written notice required has been given.

IN WITNESS WHEREOF, the undersigned corporation has executed these Articles of Amendment as of the 1st day of September, 2004.

INLAND RESOURCES INC.

By: Susan G. Riggs
Susan G. Riggs, Treasurer

United States Department of the Interior

BUREAU OF LAND MANAGEMENT
Utah State Office
P.O. Box 45155
Salt Lake City, UT 84145-0155
http://www.blm.gov

TAKE PRIDE IN AMERICA

IN REPLY REFER TO:
3106
(UT-924)

September 16, 2004

Memorandum

To: Vernal Field Office

From: Acting Chief, Branch of Fluid Minerals

Subject: Merger Approval

Attached is an approved copy of the name change recognized by the Utah State Office. We have updated our records to reflect the merger from Inland Production Company into Newfield Production Company on September 2, 2004.

Michael L Coulthard

Michael Coulthard
Acting Chief, Branch of
Fluid Minerals

Enclosure
1. State of Texas Certificate of Registration

cc: MMS, Reference Data Branch, James Sykes, PO Box 25165, Denver CO 80225
State of Utah, DOGM, Attn: Earlene Russell, PO Box 145801, SLC UT 84114
Teresa Thompson
Joe Incardine
Connie Seare

UTSL-

071572A
065914

UTU-

02458
03563
03563A
04493
05843
07978
09803
017439B
017985
017991
017992
018073
019222
020252
020252A
020254
020255
020309D
022684A
027345
034217A
035521
035521A
038797
058149
063597A
075174
096547
096550

10760
11385
13905
15392
15855
16535
16539
16544
17036
17424
18048
18399
19267
26026A
30096
30103
31260
33992
34173
34346
36442
36846
38411
38428
38429
38431
39713
39714
40026
40652
40894
41377
44210
44426
44430
45431
47171
49092
49430
49950
50376
50385
50376
50750
51081
52013
52018
58546
61052
62848
63073B
63073D
63073E
63073O
64917
64379
64380
64381
64805
64806
64917
65207
65210
65635
65967
65969
65970
66184
66185
66191
67168
67170
67208
67549
67586
67845
68105
68548
68618
69060
69061
69744
70821
72103
72104
72105
72106
72107
72108
73086
73087
73807
73088
73089
73520A
74108
74805
74806
74807
74808
74389
74390
74391
74392
74393
74398
74399
74400
74404
74405
74406
74411
74805
74806
74826
74827
74835
74868
74869
74870
74872
74970
75036
75037
75038
75039
75075
75078
75089
75090
75234
75238
76239
76240
76241
76560
76561
76787
76808
76813
76954
76956
77233
77234
77235
77337
77338
77339
77357
77359
77365
77369
77370
77546
77553
77554
78022
79013
79014
79015
79016
79017
79831
79832
79833
79831
79834
80450
80915
81000
63073X
63098A
68528A
72086A
72613A
73520X
74477X
75023X
76189X
76331X
76788X
77098X
77107X
77236X
77376X
78560X
79485X
79641X
80207X
81307X

Division of Oil, Gas and Mining

OPERATOR CHANGE WORKSHEET

ROUTING
1. GLH
2. CDW
3. FILE

014

Change of Operator (Well Sold)

Designation of Agent/Operator

X Operator Name Change

Merger

The operator of the well(s) listed below has changed, effective: **9/1/2004**

FROM: (Old Operator):	**TO:** (New Operator):
N5160-Inland Production Company	N2695-Newfield Production Company
Route 3 Box 3630	Route 3 Box 3630
Myton, UT 84052	Myton, UT 84052
Phone: 1-(435) 646-3721	Phone: 1-(435) 646-3721

CA No. **Unit:**

WELL(S)

NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS	
FEDERAL 3-31-8-18	31	080S	180E	4304734496	13915	Federal	OW	P	K
FEDERAL 4-31-8-18	31	080S	180E	4304734497	13942	Federal	OW	DRL	K
FEDERAL 5-31-8-18	31	080S	180E	4304734498	13898	Federal	OW	P	K
FEDERAL 6-31-8-18	31	080S	180E	4304734499	13960	Federal	OW	P	K
FEDERAL 7-31-8-18	31	080S	180E	4304734500	13925	Federal	OW	P	K
FEDERAL 11-31-8-18	31	080S	180E	4304734501	13924	Federal	OW	P	K
FEDERAL 12-31-8-18	31	080S	180E	4304734502	13958	Federal	OW	P	K
FEDERAL 13-31-8-18	31	080S	180E	4304734503	14324	Federal	OW	P	K
FEDERAL 8-31-8-18	31	080S	180E	4304734504	13961	Federal	OW	P	K
FEDERAL 10-31-8-18	31	080S	180E	4304734930	13986	Federal	OW	P	K
FEDERAL 9-31-8-18	31	080S	180E	4304734931	13963	Federal	OW	P	K
FEDERAL 2-1-9-17	01	090S	170E	4304734938		Federal	OW	APD	K
FEDERAL 3-1-9-17	01	090S	170E	4304734939		Federal	OW	APD	K
FEDERAL 8-1-9-17	01	090S	170E	4304734940		Federal	OW	APD	K
FEDERAL 5-6-9-18	06	090S	180E	4304734932		Federal	OW	APD	K
FEDERAL 6-6-9-18	06	090S	180E	4304734933	14152	Federal	OW	P	K
FEDERAL 7-6-9-18	06	090S	180E	4304734934	14126	Federal	OW	P	K
FEDERAL 8-6-9-18	06	090S	180E	4304734935		Federal	OW	APD	K
FEDERAL 13-6-9-18	06	090S	180E	4304734936	14049	Federal	OW	P	K
FEDERAL 14-6-9-18	06	090S	180E	4304734937	14064	Federal	OW	P	K

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

1. (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 9/15/2004
2. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 9/15/2004

3. The new company was checked on the **Department of Commerce, Division of Corporations Database on:** 2/23/2005
4. Is the new operator registered in the State of Utah: YES Business Number: 755627-0143
5. If **NO**, the operator was contacted contacted on:

6a. (R649-9-2)Waste Management Plan has been received on: IN PLACE

6b. Inspections of LA PA state/fee well sites complete on: waived

7. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM BIA

8. **Federal and Indian Units:**
The BLM or BIA has approved the successor of unit operator for wells listed on: n/a

9. **Federal and Indian Communization Agreements ("CA"):**
The BLM or BIA has approved the operator for all wells listed within a CA on: na/

10. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject,** for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: 2/23/2005

DATA ENTRY:

1. Changes entered in the **Oil and Gas Database on:** 2/28/2005
2. Changes have been entered on the **Monthly Operator Change Spread Sheet on:** 2/28/2005
3. Bond information entered in RBDMS on: 2/28/2005
4. Fee/State wells attached to bond in RBDMS on: 2/28/2005
5. Injection Projects to new operator in RBDMS on: 2/28/2005
6. Receipt of Acceptance of Drilling Procedures for APD/New on: waived

FEDERAL WELL(S) BOND VERIFICATION:

1. Federal well(s) covered by Bond Number: UT 0056

INDIAN WELL(S) BOND VERIFICATION:

1. Indian well(s) covered by Bond Number: 61BSBDH2912

FEE & STATE WELL(S) BOND VERIFICATION:

1. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number 61BSBDH2919

2. The **FORMER** operator has requested a release of liability from their bond on: n/a*
The Division sent response by letter on: n/a

LEASE INTEREST OWNER NOTIFICATION:

3. (R649-2-10) The **FORMER** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: n/a

COMMENTS:

*Bond rider changed operator name from Inland Production Company to Newfield Production Company - **received 2/23/05**

United States Department of the Interior

BUREAU OF LAND MANAGEMENT
Utah State Office
P.O. Box 45155
Salt Lake City, UT 84145-0155

TAKE PRIDE IN AMERICA

IN REPLY REFER TO
3180
UT-922

June 30, 2005

Newfield Production Company
Attn: Kelly L. Donohoue
1401 Seventeenth Street, Suite 1000
Denver, Colorado 80202

Gentlemen:

The Sundance (Green River) Unit Agreement, Uintah County, Utah, was approved June 30, 2005. This agreement has been designated No. UTU82472X, and is effective July 1, 2005. The unit area embraces 11,143.86 acres, more or less.

Pursuant to regulations issued and effective June 17, 1988, all operations within the Sundance (Green River) Unit will be covered by your nationwide (Utah) oil and gas bond No. 0056.

The following leases embrace lands included within the unit area:

UTU0075174	UTU39713	UTU65970*	UTU79013*
UTU16539*	UTU39714	UTU74404	UTU79014*
UTU16540	UTU44429	UTU74835	UTU80915
UTU17424*	UTU64806*	UTU74872*	UTU82205
UTU18043	UTU65969	UTU75234	

* Indicates lease to be considered for segregation by the Bureau of Land Management pursuant to Section 18 (g) of the unit agreement and Public Law 86-705.

All lands and interests by State of Utah, Cause No. 228-08 are fully committed. Docket No 2005-009

Approval of this agreement does not warrant or certify that the operator thereof and other holders of operating rights hold legal or equitable title to those rights in the subject leases which are committed hereto.

RECEIVED
JUL 07 2005
DIV. OF OIL, GAS & MINING

We are of the opinion that the agreement is necessary and advisable in the public interest and for the purpose of more properly conserving natural resources. Certification-Determination, signed by the School and Institutional Trust Land Administration for the State of Utah, is attached to the enclosed agreement. We request that you furnish the State of Utah and all other interested principals with appropriate evidence of this approval.

Sincerely,

/s/ Terry Catlin

Terry Catlin
Acting Chief, Branch of Fluid Minerals

Enclosure

bcc: Mary Higgins w/enclosure
MMS - Data Management Division (Attn: James Sykes)
Trust Lands Administration
Division of Oil, Gas and Mining
Field Manager - Vernal w/enclosure
File - Sundance (Green River) Unit w/enclosure
Agr. Sec. Chron
Fluid Chron
Central Files

UT922:TAThompson:tt:06/30/2005

Entity Form 6

"C" Change from one existing entity to another existing entity

API	Well	Sec	Twsp	Rng	Entity	Entity Eff Date
4301316218	CASTLE DRAW 16-10-9-17	10	090S	170E	8120 to 14844	9/20/2005
4301330568	FEDERAL 8-10-9-17	10	090S	170E	8000 to 14844	9/20/2005
4301332502	FEDERAL 9-10-9-17	10	090S	170E	14325 to 14844	9/20/2005
4301331593	MON FED 11-11-9-17Y	11	090S	170E	11904 to 14844	9/20/2005
4301332486	FEDERAL 5-11-9-17	11	090S	170E	14285 to 14844	9/20/2005
4301332510	FEDERAL 13-11-9-17	11	090S	170E	14273 to 14844	9/20/2005
4301332544	FEDERAL 12-11-9-17	11	090S	170E	14613 to 14844	9/20/2005
4301332704	FEDERAL 12-14-9-17	14	090S	170E	14786 to 14844	9/20/2005
4301331023	FEDERAL 15-1-B	15	090S	170E	10201 to 14844	9/20/2005
4304734494	FEDERAL 1-31-8-18	31	080S	180E	13927 to 14844	9/20/2005
4304734495	FEDERAL 2-31-8-18	31	080S	180E	13959 to 14844	9/20/2005
4304734496	FEDERAL 3-31-8-18	31	080S	180E	13915 to 14844	9/20/2005
4304734497	FEDERAL 4-31-8-18	31	080S	180E	13942 to 14844	9/20/2005
4304734498	FEDERAL 5-31-8-18	31	080S	180E	13898 to 14844	9/20/2005
4304734499	FEDERAL 6-31-8-18	31	080S	180E	13960 to 14844	9/20/2005
4304734500	FEDERAL 7-31-8-18	31	080S	180E	13925 to 14844	9/20/2005
4304734501	FEDERAL 11-31-8-18	31	080S	180E	13924 to 14844	9/20/2005
4304734502	FEDERAL 12-31-8-18	31	080S	180E	13958 to 14844	9/20/2005
4304734503	FEDERAL 13-31-8-18	31	080S	180E	14324 to 14844	9/20/2005
4304734504	FEDERAL 8-31-8-18	31	080S	180E	13961 to 14844	9/20/2005
4304734930	FEDERAL 10-31-8-18	31	080S	180E	13986 to 14844	9/20/2005
4304734931	FEDERAL 9-31-8-18	31	080S	180E	13963 to 14844	9/20/2005
4304731116	NGC ST 33-32	32	080S	180E	6210 to 14844	9/20/2005
4304732500	STATE 31-32	32	080S	180E	11645 to 14844	9/20/2005
4304732685	SUNDANCE ST 5-32	32	080S	180E	11781 to 14844	9/20/2005
4304732740	SUNDANCE ST 1-32R-8-18	32	080S	180E	11886 to 14844	9/20/2005
4304732741	SUNDANCE ST 3-32	32	080S	180E	12059 to 14844	9/20/2005
4304732827	SUNDANCE ST 4-32	32	080S	180E	12106 to 14844	9/20/2005
4304734458	SUNDANCE 7-32-8-18	32	080S	180E	13987 to 14844	9/20/2005
4304734459	SUNDANCE 8-32-8-18	32	080S	180E	14047 to 14844	9/20/2005
4304734460	SUNDANCE 9-32-8-18	32	080S	180E	13988 to 14844	9/20/2005
4304734461	SUNDANCE 11-32-8-18	32	080S	180E	13962 to 14844	9/20/2005
4304734462	SUNDANCE 12-32-8-18	32	080S	180E	14031 to 14844	9/20/2005
4304734463	SUNDANCE 13-32-8-18	32	080S	180E	13964 to 14844	9/20/2005
4304734464	SUNDANCE 14-32-8-18	32	080S	180E	14046 to 14844	9/20/2005

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 8
999 18th STREET - SUITE 300
DENVER, CO 80202-2466
http://www.epa.gov/region08

DEC 05 2006

Ref: 8P-W-GW

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY

RECEIVED
DEC 11 2006
DIV. OF OIL, GAS & MINING

David Gerbig
Newfield Production Company
1401 Seventeenth Street
Suite 1000
Denver, CO 80202

43-047-34500
8S 18E 31

Re: Underground Injection Control Program
Final Permit: Federal 7-31-8-18
Uintah County, Utah
EPA Permit No. UT21023-06976

Dear Mr. Gerbig:

Enclosed is your copy of the FINAL Underground Injection Control (UIC) Permit for the proposed Federal 7-31-8-18 injection well. A Statement of Basis, which discusses development of the conditions and requirements of the Permit, also is included.

The Public Comment period ended on NOV 24 2006. There were no comments on the Draft Permit received during the Public Notice period, and therefore the Final Permit becomes effective on the date of issuance. All conditions set forth herein refer to Title 40 Parts 124, 144, 146, and 147 of the Code of Federal Regulations (CFR) and are regulations that are in effect on the date that this Permit becomes effective.

Please note that under the terms of the Final Permit, you are authorized only to construct the proposed injection well, and must fulfill the "Prior to Commencing Injection" requirements of the Permit, Part II Section C Subpart 1 and obtain written Authorization to Inject prior to commencing injection. It is your responsibility to be familiar with and to comply with all provisions of the Final Permit.

The Permit and the authorization to inject are issued for the operating life of the well unless terminated (Part III, Section B). The EPA will review this Permit at least every five (5) years to determine whether action under 40 CFR § 144.36(a) is warranted.

If you have any questions on the enclosed Final Permit or Statement of Basis, please call Emmett Schmitz of my staff at (303) 312-6174, or toll-free at (800) 227-8917, ext. 6174.

Sincerely,

Stephen S. Tuber
Assistant Regional Administrator
Office of Partnerships and Regulatory Assistance

enclosure: Final UIC Permit
Statement of Basis
Form 7520-7 Application to Transfer Permit
Form 7520-11 Monitoring Report
Form 7520-12 Well Rework
Form 7520-13 Plugging Record
Groundwater Section Guidance 35
Groundwater Section Guidance 37
Groundwater Section Guidance 39

cc: Letter only:

Maxine Natchees
Acting Chairperson
Uintah & Ouray Business Committee
Ute Indian Tribe

Chester Mills
Superintendent
U.S. Bureau of Indian Affairs
Uintah & Ouray Indian Agency

Final Permit & Statement of Basis

Lynn Becker
Director
Energy & Minerals Dept.
Ute Indian Tribe

Shaun Chapoose
Director
Land Use Dept.
Ute Indian Tribe

Gilbert Hunt
Assistant Director
State of Utah - Natural Resources

Fluid Minerals Engineering Dept.
U.S. Bureau of Land Management
Vernal, Utah

all enclosures:

Michael Guinn
Vice President - Operations
Newfield Production Company
Myton, Utah

EPA

UNDERGROUND INJECTION CONTROL PROGRAM

PERMIT

PREPARED: November 2006

Permit No. UT21023-06976

Class II Enhanced Oil Recovery Injection Well

Federal 7-31-8-18
Uintah County, UT

Issued To

Newfield Production Company
1401 Seventeenth Street
Suite 1000
Denver, CO 80202

Part I. AUTHORIZATION TO CONSTRUCT AND OPERATE

Under the authority of the Safe Drinking Water Act and Underground Injection Control (UIC) Program regulations of the U. S. Environmental Protection Agency (EPA) codified at Title 40 of the Code of Federal Regulations (40 CFR) Parts 2, 124, 144, 146, and 147, and according to the terms of this Permit,

Newfield Production Company
1401 Seventeenth Street
Suite 1000
Denver, CO 80202

is authorized to construct and to operate the following Class II injection well or wells:

Federal 7-31-8-18
2046' FNL & 1878' FEL, SWNE S31, T8S, R18E
Uintah County, UT

EPA UIC permits regulate the injection of fluids into underground injection wells so that the injection does not endanger underground sources of drinking water. EPA UIC permit conditions are based upon the authorities set forth in regulatory provisions at 40 CFR Parts 144 and 146, and address potential impacts to underground sources of drinking water.

Under 40 CFR Part 144, Subpart D, certain conditions apply to all UIC permits and may be incorporated either expressly or by reference. General permit conditions for which the content is mandatory and not subject to site-specific differences (40 CFR Parts 124, 144, 146 and 147) are not discussed in this document. Under 40 CFR §144.35, issuance of this permit does not convey any property rights of any sort or any exclusive privilege, nor does it authorize injury to persons or property or invasion of other private rights, or any infringement of other federal, state or local laws or regulations. EPA UIC permits may be issued for the operating life of the injection well or project unless terminated for reasonable cause under 40 CFR §§144.39, 144.40 and 144.41, and are subject to EPA review at least once every five (5) years to determine if action is required under 40 CFR §144.36(a).

This Permit is issued for the life of the well or wells unless modified, revoked and reissued, or terminated under 40 CFR 144.39 or 144.40. This Permit may be adopted, modified, revoked and reissued, or terminated if primary enforcement authority for this program is delegated to an Indian Tribe or a State. Upon the effective date of delegation, all reports, notifications, questions and other compliance actions shall be directed to the Indian tribe or State Program Director or designee.

Issue Date: DEC 05 2006

Effective Date DEC 05 2006

for Stephen S. Tuber
Assistant Regional Administrator*
Office of Partnerships and Regulatory Assistance

*NOTE: The person holding this title is referred to as the "Director" throughout this Permit.

PART II. SPECIFIC PERMIT CONDITIONS

Section A. WELL CONSTRUCTION REQUIREMENTS

These requirements represent the approved minimum construction standards for well casing and cement, injection tubing, and packer.

Details of the approved well construction plan are incorporated into this Permit as APPENDIX A. Changes to the approved plan that may occur during construction must be approved by the Director prior to being physically incorporated.

1. Casing and Cement.

The well or wells shall be cased and cemented to prevent the movement of fluids into or between underground sources of drinking water. The well casing and cement shall be designed for the life expectancy of the well and of the grade and size shown in APPENDIX A. Remedial cementing may be required if shown to be inadequate by cement bond log or other attempted demonstration of Part II (External) mechanical integrity.

2. Injection Tubing and Packer.

Injection tubing is required, and shall be run and set with a packer at or below the depth indicated in APPENDIX A. The packer setting depth may be changed provided it remains below the depth indicated in APPENDIX A and the Permittee provides notice and obtains the Director's approval for the change.

3. Sampling and Monitoring Devices.

The Permittee shall install and maintain in good operating condition:

(a) a "tap" at a conveniently accessible location on the injection flow line between the pump house or storage tanks and the injection well, isolated by shut-off valves, for collection of representative samples of the injected fluid; and

(b) one-half (1/2) inch female iron pipe fitting, isolated by shut-off valves and located at the wellhead at a conveniently accessible location, for the attachment of a pressure gauge capable of monitoring pressures ranging from normal operating pressures up to the Maximum Allowable Injection Pressure specified in APPENDIX C:

  (i) on the injection tubing; and

  (ii) on the tubing-casing annulus (TCA); and

(c) a pressure actuated shut-off device attached to the injection flow line set to shut-off the injection pump when or before the Maximum Allowable Injection Pressure specified in APPENDIX C is reached at the wellhead; and

(d) a non-resettable cumulative volume recorder attached to the injection line.

4. Well Logging and Testing

Well logging and testing requirements are found in APPENDIX B. The Permittee shall ensure the log and test requirements are performed within the time frames specified in APPENDIX B. Well logs and tests shall be performed according to current EPA-approved procedures. Well log and test results shall be submitted to the Director within sixty (60) days of completion of the logging or testing activity, and shall include a report describing the methods used during logging or testing and an interpretation of the test or log results.

5. Postponement of Construction or Conversion

The Permittee shall complete well construction within one year of the Effective Date of the Permit, or in the case of an Area Permit within one year of authorization of the additional well. Authorization to construct and operate shall expire if the well has not been constructed within one year of the Effective Date of the Permit or authorization and the Permit may be terminated under 40 CFR 144.40, unless the Permittee has notified the Director and requested an extension prior to expiration. Notification shall be in writing, and shall state the reasons for the delay and provide an estimated completion date. Once Authorization has expired under this part, the complete permit process including opportunity for public comment may be required before Authorization to construct and operate may be reissued.

6. Workovers and Alterations

Workovers and alterations shall meet all conditions of the Permit. Prior to beginning any addition or physical alteration to an injection well that may significantly affect the tubing, packer or casing, the Permittee shall give advance notice to the Director and obtain the Director's approval. The Permittee shall record all changes to well construction on a Well Rework Record (EPA Form 7520-12), and shall provide this and any other record of well workover, logging, or test data to EPA within sixty (60) days of completion of the activity.

A successful demonstration of Part I MI is required following the completion of any well workover or alteration which affects the casing, tubing, or packer. Injection operations shall not be resumed until the well has successfully demonstrated mechanical integrity and the Director has provided written approval to resume injection.

Section B. MECHANICAL INTEGRITY

The Permittee is required to ensure each injection well maintains mechanical integrity at all times. The Director, by written notice, may require the Permittee to comply with a schedule describing when mechanical integrity demonstrations shall be made.

An injection well has mechanical integrity if:

(a) There is no significant leak in the casing, tubing, or packer (Part I); and

(b) There is no significant fluid movement into an underground source of drinking water throught vertical channels adjacent to the injection well bore (Part II).

1. Demonstration of Mechanical Integrity (MI).

The operator shall demonstrate MI prior to commencing injection and periodically thereafter. Well-specific conditions dictate the methods and the frequency for demonstrating MI and are discussed in the Statement of Basis. The logs and tests are designed to demonstrate both internal (Part I) and external (Part II) MI as described above. The conditions present at this well site warrant the methods and frequency required in Appendix B of this Permit.

In addition to these regularly scheduled demonstrations of MI, the operator shall demonstrate internal (Part I) MI after any workover which affects the tubing, packer or casing.

The Director may require additional or alternative tests if the results presented by the operator are not satisfactory to the Director to demonstrate there is no movement of fluid into or between USDWs resulting from injection activity. Results of MI tests shall be submitted to the Director as soon as possible but no later than sixty (60) days after the test is complete.

2. Mechanical Integrity Test Methods and Criteria

EPA-approved methods shall be used to demonstrate mechanical integrity. Ground Water Section Guidance No. 34 "Cement Bond Logging Techniques and Interpretation", Ground Water Section Guidance No. 37, "Demonstrating Part II (External) Mechanical Integrity for a Class II injection well permit", and Ground Water Section Guidance No. 39, "Pressure Testing Injection Wells for Part I (Internal) Mechanical Integrity" are available from EPA and will be provided upon request.

The Director may stipulate specific test methods and criteria best suited for a specific well construction and injection operation.

3. Notification Prior to Testing.

The Permittee shall notify the Director at least 30 days prior to any scheduled mechanical integrity test. The Director may allow a shorter notification period if it would be sufficient to enable EPA to witness the mechanical integrity test. Notification may be in the form of a yearly or quarterly schedule of planned mechanical integrity tests, or it may be on an individual basis.

4. Loss of Mechanical Integrity.

If the well fails to demonstrate mechanical integrity during a test, or a loss of mechanical integrity becomes evident during operation (such as presence of pressure in the TCA, water flowing at the surface, etc.), the Permittee shall notify the Director within 24 hours (see Part III Section E Paragraph 11(e) of this Permit) and the well shall be shut-in within 48 hours unless the Director requires immediate shut-in.

Within five days, the Permittee shall submit a follow-up written report that documents test results, repairs undertaken or a proposed remedial action plan.

Injection operations shall not be resumed until after the well has successfully been repaired and demonstrated mechanical integrity, and the Director has provided approval to resume injection.

Section C. WELL OPERATION

INJECTION BETWEEN THE OUTERMOST CASING PROTECTING UNDERGROUND SOURCES OF DRINKING WATER AND THE WELL BORE IS PROHIBITED.

Injection is approved under the following conditions:

1. Requirements Prior to Commencing Injection.

Well injection, including for new wells authorized by an Area Permit under 40 CFR 144.33 (c), may commence only after all well construction and pre-injection requirements herein have been met and approved. The Permittee may not commence injection until construction is complete, and

(a) The Permittee has submitted to the Director a notice of completion of construction and a completed EPA Form 7520-10 or 7520-12; all applicable logging and testing requirements of this Permit (see APPENDIX B) have been fulfilled and the records submitted to the Director; mechanical integrity pursuant to 40 CFR 146.8 and Part II Section B of this Permit has been demonstrated; and

(i) The Director has inspected or otherwise reviewed the new injection well and finds it is in compliance with the conditions of the Permit; or

(ii) The Permittee has not received notice from the Director of his or her intent to inspect or otherwise review the new injection well within 13 days of the date of the notice in Paragraph 1a, in which case prior inspection or review is waived and the Permittee may commence injection.

2. Injection Interval.

Injection is permitted only within the approved injection interval, listed in APPENDIX C. Additional individual injection perforations may be added provided that they remain within the approved injection interval and the Permittee provides notice to the Director in accordance with Part II, Section A, Paragraph 6.

3. Injection Pressure Limitation

(a) The permitted Maximum Allowable Injection Pressure (MAIP), measured at the wellhead, is found in APPENDIX C. Injection pressure shall not exceed the amount the Director determines is appropriate to ensure that injection does not initiate new fractures or propagate existing fractures in the confining zone adjacent to USDWs. In no case shall injection pressure cause the movement of injection or formation fluids into a USDW.

(b) The Permittee may request a change of the MAIP, or the MAIP may be increased or decreased by the Director in order to ensure that the requirements in Paragraph (a) above are fulfilled. The Permitee may be required to conduct a step rate injection test or other suitable test to provide information for determining the fracture pressure of the injection zone. Change of the permitted MAIP by the Director shall be by modification of this Permit and APPENDIX C.

4. Injection Volume Limitation.

Injection volume is limited to the total volume specified in APPENDIX C.

5. Injection Fluid Limitation.

Injected fluids are limited to those identified in 40 CFR 144.6(b)(2) as fluids used for enhanced recovery of oil or natural gas, including those which are brought to the surface in connection with conventional oil or natural gas production that may be commingled with waste waters from gas plants which are an integral part of production operations unless those waters are classified as a hazardous waste at the time of injection, pursuant to 40 CFR 144.6(b). Non-exempt wastes, including unused fracturing fluids or acids, gas plant cooling tower cleaning wastes, service wastes and vacuum truck wastes, are NOT approved for injection. This well is NOT approved for commercial brine injection, industrial waste fluid disposal or injection of hazardous waste as defined by CFR 40 Part 261. The Permittee shall provide a listing of the sources of injected fluids in accordance with the reporting requirements in Part II Section D Paragraph 4 and APPENDIX D of this Permit.

6. Tubing-Casing Annulus (TCA)

The tubing-casing annulus (TCA) shall be filled with water treated with a corrosion inhibitor, or other fluid approved by the Director. The TCA valve shall remain closed during normal operating conditions and the TCA pressure shall be maintained at zero (0) psi.

If TCA pressure cannot be maintained at zero (0) psi, the Permittee shall follow the procedures in Ground Water Section Guidance No. 35 "Procedures to follow when excessive annular pressure is observed on a well."

Section D. MONITORING, RECORDKEEPING, AND REPORTING OF RESULTS

1. Monitoring Parameters, Frequency, Records and Reports.

Monitoring parameters are specified in APPENDIX D. Pressure monitoring recordings shall be taken at the wellhead. The listed parameters are to be monitored, recorded and reported at the frequency indicated in APPENDIX D even during periods when the well is not operating.

Monitoring records must include:

(a) the date, time, exact place and the results of the observation, sampling, measurement, or analysis, and;

(b) the name of the individual(s) who performed the observation, sampling, measurement, or analysis, and;

(c) the analytical techniques or methods used for analysis.

2. Monitoring Methods.

(a) Monitoring observations, measurements, samples, etc. taken for the purpose of complying with these requirements shall be representative of the activity or condition being monitored.

(b) Methods used to monitor the nature of the injected fluids must comply with analytical methods cited and described in Table 1 of 40 CFR 136.3 or Appendix III of 40 CFR 261, or by other methods that have been approved in writing by the Director.

(c) Injection pressure, annulus pressure, injection rate, and cumulative injected volumes shall be observed and recorded at the wellhead under normal operating conditions, and all parameters shall be observed simultaneously to provide a clear depiction of well operation.

(d) Pressures are to be measured in pounds per square inch (psi).

(e) Fluid volumes are to be measured in standard oil field barrels (bbl).

(f) Fluid rates are to be measured in barrels per day (bbl/day).

3. Records Retention.

(a) Records of calibration and maintenance, and all original strip chart recordings for continuous monitoring instrumentation, copies of all reports required by this permit, and records of all data used to complete the application for this permit shall be retained for a period of AT LEAST THREE (3) YEARS from the date of the sample, measurement, report, or application. This period may be extended anytime prior to its expiration by request of the Director.

(b) Records of the nature and composition of all injected fluids must be retained until three (3) years after the completion of any plugging and abandonment (P&A) procedures specified under 40 CFR 144.52(a)(6) or under Part 146 Subpart G, as appropriate. The Director may require the Permittee to deliver the records to the Director at the conclusion of the retention period. The Permittee shall continue to retain the records after the three (3) year retention period unless the Permittee delivers the records to the Director or obtains written approval from the Director to discard the records.

(c) The Permittee shall retain records at the location designated in APPENDIX D.

4. Annual Reports.

Whether the well is operating or not, the Permittee shall submit an Annual Report to the Director that summarizes the results of the monitoring required by Part II Section D and APPENDIX D.

The first Annual Report shall cover the period from the effective date of the Permit through December 31 of that year. Subsequent Annual Reports shall cover the period from January 1 through December 31 of the reporting year. Annual Reports shall be submitted by February 15 of the year following data collection. EPA Form 7520-11 may be copied and shall be used to submit the Annual Report, however, the monitoring requirements specified in this Permit are mandatory even if EPA Form 7520-11 indicates otherwise.

Section E. PLUGGING AND ABANDONMENT

1. Notification of Well Abandonment, Conversion or Closure.

The Permittee shall notify the Director in writing at least forty-five (45) days prior to: 1) plugging and abandoning an injection well, 2) converting to a non-injection well, and 3) in the case of an Area Permit, before closure of the project.

2. Well Plugging Requirements

Prior to abandonment, the injection well shall be plugged with cement in a manner which isolates the injection zone and prevents the movement of fluids into or between underground sources of drinking water, and in accordance with 40 CFR 146.10 and other applicable federal, State or local law or regulations. Tubing, packer and other downhole apparatus shall be removed. Cement with additives such as accelerators and retarders that control or enhance cement properties may be used for plugs; however, volume-extending additives and gel cements are not approved for plug use. Plug placement shall be verified by tagging. Plugging gel of at least 9.6 lb/gal shall be placed between all plugs. A minimum 50 ft surface plug shall be set inside and outside of the surface casing to seal pathways for fluid migration into the subsurface. The Plugging Record must be certified as accurate and complete by the person responsible for the plugging operation. Prior to placement of the cement plug(s) the well shall be in a state of static equilibrium with the mud weight equalized top to bottom, either by circulating the mud in the well at least once or by a comparable method prescribed by the Director.

3. Approved Plugging and Abandonment Plan.

The approved plugging and abandonment plan is incorporated into this Permit as APPENDIX E. Changes to the approved plugging and abandonment plan must be approved by the Director prior to beginning plugging operations. The Director also may require revision of the approved plugging and abandonment plan at any time prior to plugging the well.

4. Forty Five (45) Day Notice of Plugging and Abandonment.

The Permittee shall notify the Director at least forty-five (45) days prior to plugging and abandoning a well and provide notice of any anticipated change to the approved plugging and abanonment plan.

5. Plugging and Abandonment Report.

Within sixty (60) days after plugging a well, the Permittee shall submit a report (EPA Form 7520-13) to the Director. The plugging report shall be certified as accurate by the person who performed the plugging operation. Such report shall consist of either:

(a) A statement that the well was plugged in accordance with the approved plugging and abandonment plan; or

(b) Where actual plugging differed from the approved plugging and abandonment plan, an updated version of the plan, on the form supplied by the Director, specifying the differences.

6. Inactive Wells.

After any period of two years during which there is no injection the Permittee shall plug and abandon the well in accordance with Part II Section E Paragraph 2 of this Permit unless the Permittee:

(a) Provides written notice to the Director;

(b) Describes the actions or procedures the Permittee will take to ensure that the well will not endanger USDWs during the period of inactivity. These actions and procedures shall include compliance with mechanical integrity demonstration, Financial Responsibility and all other permit requirements designed to protect USDWs; and

(c) Receives written notice by the Director temporarily waiving plugging and abandonment requirements.

PART III. CONDITIONS APPLICABLE TO ALL PERMITS

Section A. EFFECT OF PERMIT

The Permittee is allowed to engage in underground injection in accordance with the conditions of this Permit. The Permittee shall not construct, operate, maintain, convert, plug, abandon, or conduct any other activity in a manner that allows the movement of fluid containing any contaminant into underground sources of drinking water, if the presence of that contaminant may cause a violation of any primary drinking water regulation under 40 CFR 142 or may otherwise adversely affect the health of persons. Any underground injection activity not authorized by this Permit or by rule is prohibited. Issuance of this Permit does not convey property rights of any sort or any exclusive privilege; nor does it authorize any injury to persons or property, any invasion of other private rights, or any infringement of State or local law or regulations. Compliance with the terms of this Permit does not constitute a defense to any enforcement action brought under the provisions of Section 1431 of the Safe Drinking Water Act (SDWA) or any other law governing protection of public health or the environment, for any imminent and substantial endangerment to human health or the environment, nor does it serve as a shield to the Permittee's independent obligation to comply with all UIC regulations. Nothing in this Permit relieves the Permittee of any duties under applicable regulations.

Section B. CHANGES TO PERMIT CONDITIONS

1. Modification, Reissuance, or Termination.

The Director may, for cause or upon a request from the Permittee, modify, revoke and reissue, or terminate this Permit in accordance with 40 CFR 124.5, 144.12, 144.39, and 144.40. Also, this Permit is subject to minor modification for causes as specified in 40 CFR 144.41. The filing of a request for modification, revocation and reissuance, termination, or the notification of planned changes or anticipated noncompliance on the part of the Permittee does not stay the applicability or enforceability of any condition of this Permit.

2. Conversions.

The Director may, for cause or upon a written request from the Permittee, allow conversion of the well from a Class II injection well to a non-Class II well. Conversion may not proceed until the Permittee receives written approval from the Director. Conditions of such conversion may include but are not limited to, approval of the proposed well rework, follow up demonstration of mechanical integrity, well-specific monitoring and reporting following the conversion, and demonstration of practical use of the converted configuration.

3. Transfer of Permit.

Under 40 CFR 144.38, this Permit is transferable provided the current Permittee notifies the Director at least thirty (30) days in advance of the proposed transfer date (EPA Form 7520-7) and provides a written agreement between the existing and new Permittees containing a specific date for transfer of Permit responsibility, coverage and liability between them. The notice shall adequately demonstrate that the financial responsibility requirements of 40 CFR 144.52(a)(7) will be met by the new Permittee. The Director may require modification or revocation and reissuance of the Permit to change the name of the Permittee and incorporate such other requirements as may be necessary under the Safe Drinking Water Act; in some cases, modification or revocation and reissuance is mandatory.

4. Permittee Change of Address.

Upon the Permittee's change of address, or whenever the operator changes the address where monitoring records are kept, the Permittee must provide written notice to the Director within 30 days.

5. Construction Changes, Workovers, Logging and Testing Data

The Permittee shall give advance notice to the Director, and shall obtain the Director's written approval prior to any physical alterations or additions to the permitted facility. Alterations or workovers shall meet all conditions as set forth in this permit. The Permittee shall record any changes to the well construction on a Well Rework Record (EPA Form 7520-12), and shall provide this and any other record of well workovers, logging , or test data to EPA within sixty (60) days of completion of the activity.

Following the completion of any well workovers or alterations which affect the casing, tubing, or packer, a successful demonstration of mechanical integrity (Part III, Section F of this permit) shall be made, and written authorization from the Director received, prior to resuming injection activities.

Section C. SEVERABILITY

The Provisions of this Permit are severable, and if any provision of this Permit or the application of any provision of this Permit to any circumstance, is held invalid, the application of such provision to other circumstances, and the remainder of this Permit shall not be affected thereby.

Section D. CONFIDENTIALITY

In accordance with 40 CFR Part 2 and 40 CFR 144.5, information submitted to EPA pursuant to this Permit may be claimed as confidential by the submitter. Any such claim must be asserted at the time of submission by stamping the words "confidential business information" on each page containing such information. If no claim is made at the time of submission, EPA may make the information available to the public without further notice. If a claim is asserted, the validity of the claim will be assessed in accordance with the procedures in 40 CFR Part 2 (Public Information). Claims of confidentiality for the following information will be denied:

- The name and address of the Permittee, and
- information which deals with the existence, absence or level of contaminants in drinking water.

Section E. GENERAL PERMIT REQUIREMENTS

1. Duty to Comply.

The Permittee must comply with all conditions of this Permit. Any noncompliance constitutes a violation of the Safe Drinking Water Act (SDWA) and is grounds for enforcement action; for Permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application; except that the Permittee need not comply with the provisions of this Permit to the extent and for the duration such noncompliance is authorized in an emergency permit under 40 CFR 144.34. All violations of the SDWA may subject the Permittee to penalties and/or criminal prosecution as specified in Section 1423 of the SDWA.

2. Duty to Reapply.

If the Permittee wishes to continue an activity regulated by this Permit after the expiration date of this Permit, under 40 CFR 144.37 the Permittee must apply for a new permit prior to the expiration date.

3. Need to Halt or Reduce Activity Not a Defense.

It shall not be a defense for a Permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this Permit.

4. Duty to Mitigate.

The Permittee shall take all reasonable steps to minimize or correct any adverse impact on the environment resulting from noncompliance with this Permit.

5. Proper Operation and Maintenance.

The Permittee shall at all times properly operate and maintain all facilities and systems of treatment and control (and related appurtenances) which are installed or used by the Permittee to achieve compliance with the conditions of this Permit. Proper operation and maintenance includes effective performance, adequate funding, adequate operator staffing and training, and adequate laboratory and process controls, including appropriate quality assurance procedures. This provision requires the operation of back-up or auxiliary facilities or similar systems only when necessary to achieve compliance with the conditions of this Permit.

6. Permit Actions.

This Permit may be modified, revoked and reissued or teminated for cause. The filing of a request by the Permittee for a permit modification, revocation and reissuance, or termination, or a notification of planned changes or anticipated noncompliance, does not stay any permit condition.

7. Property Rights.

This Permit does not convey any property rights of any sort, or any exclusive privilege.

8. Duty to Provide Information.

The Permittee shall furnish to the Director, within a time specified, any information which the Director may request to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit. The Permittee shall also furnish to the Director, upon request, copies of records required to be kept by this Permit. The Permittee is required to submit any information required by this Permit or by the Director to the mailing address designated in writing by the Director.

9. Inspection and Entry.

The Permittee shall allow the Director, or an authorized representative, upon the presentation of credentials and other documents as may be required by law, to:

(a) Enter upon the Permittee's premises where a regulated facility or activity is located or conducted, or where records must be kept under the conditions of this Permit;

(b) Have access to and copy, at reasonable times, any records that must be kept under the conditions of this Permit;

(c) Inspect at reasonable times any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under this Permit; and,

(d) Sample or monitor at reasonable times, for the purpose of assuring permit compliance or as otherwise authorized by the SDWA, any substances or parameters at any location.

10. Signatory Requirements.

All applications, reports or other information submitted to the Director shall be signed and certified according to 40 CFR 144.32. This section explains the requirements for persons duly authorized to sign documents, and provides wording for required certification.

11. Reporting Requirements.

(a) Planned changes. The Permittee shall give notice to the Director as soon as possible of any planned changes, physical alterations or additions to the permitted facility, and prior to commencing such changes.

(b) Anticipated noncompliance. The Permittee shall give advance notice to the Director of any planned changes in the permitted facility or activity which may result in noncompliance with permit requirements.

(c) Monitoring Reports. Monitoring results shall be reported at the intervals specified in this Permit.

(d) Compliance schedules. Reports of compliance or noncompliance with, or any progress reports on, interim and final requirements contained in any compliance schedule of this Permit shall be submitted no later than 30 days following each schedule date.

(e) Twenty-four hour reporting. The Permittee shall report to the Director any noncompliance which may endanger human health or the environment, including:

(i) Any monitoring or other information which indicates that any contaminant may cause endangerment to a USDW; or

(ii) Any noncompliance with a permit condition or malfunction of the injection system which may cause fluid migration into or between USDWs.

Information shall be provided, either directly or by leaving a message, within twenty-four (24) hours from the time the permittee becomes aware of the circumstances by telephoning (800) 227-8917 and requesting EPA Region VIII UIC Program Compliance and Technical Enforcement Director, or by contacting the EPA Region VIII Emergency Operations Center at (303) 293-1788.

In addition, a follow up written report shall be provided to the Director within five (5) days of the time the Permittee becomes aware of the circumstances. The written submission shall contain a description of the noncompliance and its cause, the period of noncompliance including exact dates and times, and if the noncompliance has not been corrected the anticipated time it is expected to continue; and the steps taken or planned to reduce, eliminate, and prevent recurrence of the noncompliance.

(f) Oil Spill and Chemical Release Reporting: The Permittee shall comply with all reporting requirements related to the occurence of oil spills and chemical releases by contacting the National Response Center (NRC) at (800) 424-8802, (202) 267-2675, or through the NRC website http://www.nrc.uscg.mil/index.htm.

(g) Other Noncompliance. The Permittee shall report all instances of noncompliance not reported under paragraphs Part III, Section E Paragraph 11(b) or Section E, Paragraph 11(e) at the time the monitoring reports are submitted. The reports shall contain the information listed in Paragraph 11(e) of this Section.

(h) Other information. Where the Permittee becomes aware that it failed to submit any relevant facts in the permit application, or submitted incorrect information in a permit application or in any report to the Director, the Permittee shall promptly submit such facts or information to the Director.

Section F. FINANCIAL RESPONSIBILITY

1. Method of Providing Financial Responsibility.

The Permittee shall maintain continuous compliance with the requirement to maintain financial responsibility and resources to close, plug, and abandon the underground injection well(s). No substitution of a demonstration of financial responsibility shall become effective until the Permittee receives written notification from the Director that the alternative demonstration of financial responsibility is acceptable. The Director may, on a periodic basis, require the holder of a permit to revise the estimate of the resources needed to plug and abandon the well to reflect changes in such costs and may require the Permittee to provide a revised demonstration of financial responsibility.

2. Insolvency.

In the event of:

(a) the bankruptcy of the trustee or issuing institution of the financial mechanism; or

(b) suspension or revocation of the authority of the trustee institution to act as trustee; or

(c) the institution issuing the financial mechanism losing its authority to issue such an instrument

the Permittee must notify the Director in writing, within ten (10) business days, and the Permittee must establish other financial assurance or liability coverage acceptable to the Director within sixty (60) days after any event specified in (a), (b), or (c) above.

The Permittee must also notify the Director by certified mail of the commencement of voluntary or involuntary proceedings under Title 11 (Bankruptcy), U.S. Code naming the owner or operator as debtor, within ten (10) business days after the commencement of the proceeding. A guarantor, if named as debtor of a corporate guarantee, must make such a notification as required under the terms of the guarantee.

APPENDIX A

WELL CONSTRUCTION REQUIREMENTS

See diagram.

The Federal No. 7-31-8-18 was drilled to a total depth of 6272 (KB) feet in the Basal Carbonate Member of the Green River Formation.

Surface casing (8-5/8 inch) was set at a depth of 304 feet in a 12-1/4 inch hole using 150 sacks of Class "G" cement which was circulated to the surface.

Production casing (5-1/2 inch) was set at a depth of 6271 feet (KB) in a 7-7/8 inch hole with 300 sacks of Premium Lite II and 400 sacks of 50/50 poz mix. This well construction is considered adequate to protect USDW's.

The EPA calculates the top of cement as 1760 feet from the surface.

The schematic diagram shows the proposed current injection perforations in the Garden Gulch and Douglas Creek Members of the Green River Formation. Additional perforations may be added at a later time between the depths of 3947 feet and the top of the Wasatch Formation (Estimated to be 6297 feet) provided the operator first notifies the Director and later submits an updated well completion report (EPA Form 7520-12) and schematic diagram.

The packer will be required to be set no higher than 100 feet above the top perforation.

UT21023-06976

Federal 7-31-8-18

Spud Date: 10/9/03
Put on Production: 11/18/03
GL: 5032' KB: 5044'

Proposed Injection
Wellbore Diagram

Initial Production: 62 BOPD,
16 MCFD, 11 BWPD

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 7 jts. (294.54')
DEPTH LANDED: 304.54' KB
HOLE SIZE: 12-1/4"
CEMENT DATA: 150 sxs Class "G" cmt mixed, est 4 bbls cmt to surf.

Cement Top @ 375'

TOC/BPA 1760'

PRODUCTION CASING

CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 15.5#
LENGTH: 147 jts. (6273.57)
DEPTH LANDED: 6271.57' KB
HOLE SIZE: 7-7/8"
CEMENT DATA: 300 sxs Prem. Lite II mixed & 400 sxs 50/50 POZ.
CEMENT TOP AT: 375'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
NO. OF JOINTS: 181 jts (5967.44')
TUBING ANCHOR: 5979.44' KB
NO. OF JOINTS: 1 jts (31.58')
SEATING NIPPLE: 2-7/8" (1.10')
SN LANDED AT: 6013.82' KB
NO. OF JOINTS: 2 jts (66.30')
TOTAL STRING LENGTH: EOT @ 6081.67' W/12' KB

-282-Base USDWs

-304'

-2322' Green River

-3812'-3947' Confining Zone

-3947' Garden Gulch

4900' -

80% Bond

5362' -

4936' Douglas Creek

Packer @ 4463'
4498'-4503'
4507'-4512'

5248'-5290'
5294'-5298'
5302'-5307'

5861'-5866'
5924'-5931'
6001'-6008'

6172' Basal Carbonate

PBTD @ 6227'
SHOE/TD @ 6272'

Est. Wasatch 6297'

FRAC JOB

11/12/03 6001'-6008' **Frac CP3 sands as follows:** 25,305# 20/40 sand in 309 bbls Viking I-25 fluid. Treated @ avg press of 1560 psi w/avg rate of 24.5 BPM. ISIP 1500 psi. Calc flush: 5998 gal. Actual flush: 6048 gal.

11/12/03 5861'-5931' **Frac CP1 and 2 sands as follows:** 39,749# 20/40 sand in 394 bbls Viking I-25 fluid. Treated @ avg press of 1640 psi w/avg rate of 24.7 BPM. ISIP 1620 psi. Calc flush: 5859 gal. Actual flush: 5922 gal.

11/12/03 5248'-5307' **Frac LODC sands as follows:** 179,510# 20/40 sand in 1204 bbls Viking I-25 fluid. Treated @ avg press of 1290 psi w/avg rate of 24.6 BPM. ISIP 1470 psi. Calc flush: 5246 gal. Actual flush: 5292 gal.

11/12/03 4498'-4512' **Frac GB6 sands as follows:** 40,650# 20/40 sand in 369 bbls Viking I-25 fluid. Treated @ avg press of 1935 psi w/avg rate of 24.3 BPM. ISIP 2080 psi. Calc flush: 4496 gal. Actual flush: 4494 gal.

PERFORATION RECORD

11/6/03	6001'-6008'	4 JSPF	28 holes
11/12/03	5924'-5931'	4 JSPF	28 holes
11/12/03	5861'-5866'	4 JSPF	20 holes
11/12/03	5302'-5307'	2 JSPF	10 holes
11/12/03	5294'-5298'	2 JSPF	8 holes
11/12/03	5248'-5290'	2 JSPF	84 holes
11/12/03	4507'-4512'	4 JSPF	20 holes
11/12/03	4498'-4503'	4 JSPF	20 holes

NEWFIELD

Federal 7-31-8-18

2046' FNL & 1878' FEL

SWNE Section 31 T8S-R18E

Uintah Co, Utah

API #43-047-34500; Lease #UTU-74872

MC 8/29/05

APPENDIX B

LOGGING AND TESTING REQUIREMENTS

Logs.
Logs will be conducted according to current UIC guidance. It is the responsibility of the permittee to obtain and use guidance prior to conducting any well logging required as a condition of this permit.

NO LOGGING REQUIREMENTS

Tests.
Tests will be conducted according to current UIC guidance. It is the responsibility of the permittee to obtain and use guidance prior to conducting any well test required as a condition of this permit.

WELL NAME: Federal 7-31-8-18

TYPE OF TEST	DATE DUE
Radioactive Tracer Survey (2)	Within a 180-day period following commencement of injection and at least once every five (5) years thereafter.
Step Rate Test	Within a 180-day period following commencement of injection.
Standard Annulus Pressure	Prior to receiving authorization to inject and at least once every five (5) years thereafter.
Pore Pressure	Prior to receiving authorization to inject.

APPENDIX C

OPERATING REQUIREMENTS

MAXIMUM ALLOWABLE INJECTION PRESSURE:

Maximum Allowable Injection Pressure (MAIP) as measured at the surface shall not exceed the pressure(s) listed below.

WELL NAME	MAXIMUM ALLOWED INJECTION PRESSURE (psi) ZONE 1 (Upper)
Federal 7-31-8-18	1,100

INJECTION INTERVAL(S):

Injection is permitted only within the approved injection interval listed below. Injection perforations may be altered provided they remain within the approved injection interval and the Permittee provides notice to the Director in accordance with Part II, Section A, Paragraph 6. Specific injection perforations can be found in Appendix A.

WELL NAME: Federal 7-31-8-18

FORMATION NAME	APPROVED INJECTION INTERVAL (KB, ft) TOP	BOTTOM	FRACTURE GRADIENT (psi/ft)
Green River	3,947.00	6,297.00	0.680

ANNULUS PRESSURE:

The annulus pressure shall be maintained at zero (0) psi as measured at the wellhead. If this pressure cannot be maintained, the Permittee shall follow the procedures listed under Part II, Section C. 6. of this permit.

MAXIMUM INJECTION VOLUME:

There is no limitation on the number of barrels per day (bbls/day) of water that shall be injected into this well, provided further that in no case shall injection pressure exceed that limit shown in Appendix C.

APPENDIX D

MONITORING AND REPORTING PARAMETERS

This is a listing of the parameters required to be observed, recorded, and reported. Refer to the permit Part II, Section D, for detailed requirements for observing, recording, and reporting these parameters.

OBSERVE MONTHLY AND RECORD AT LEAST ONCE EVERY THIRTY DAYS	
OBSERVE AND RECORD	Injection pressure (psig)
	Annulus pressure(s) (psig)
	Injection rate (bbl/day)
	Fluid volume injected since the well began injecting (bbls)

ANNUALLY	
ANALYZE	Injected fluid total dissolved solids (mg/l)
	Injected fluid specific gravity
	Injected fluid specific conductivity
	Injected fluid pH

ANNUALLY	
REPORT	Each month's maximum and averaged injection pressures (psig)
	Each month's maximum and averaged annulus pressure(s) (psig)
	Each month's averaged injection rate (bbl/day)
	Fluid volume injected since the well began injecting (bbl)
	Written results of annual injected fluid analysis
	Sources of all fluids injected during the year

Records of all monitoring activities must be retained and made available for inspection at the following location:

Newfield Production Company
1401 Seventeenth Street
Denver, CO 80227

APPENDIX E

PLUGGING AND ABANDONMENT REQUIREMENTS

See diagram.

All cement plugs will be set with tubing.

9.2 ppg plugging gel, or fresh water weighted with bentonite or treated brine will be placed between all cement plugs.

The following Plugging and Abandonment Plan, as proposed by the permittee, is predicated on the permittee not revising the injection perforations cited on the schematic diagram of well construction/conversion. Should the uppermost perforations (4498 feet to 4503 feet) be modified in construction, the EPA will modify the P&A Plan accordingly.

PLUG NO. 1: A Cast Iron Bridge Plug (CIBP) at 4403 feet with 100 feet of Class "G" cement on CIBP.

PLUG NO. 2: A Class "G" cement plug from 2000 feet to 2375 feet. This plug will cover both a water zone and the top of the Green River Formation.

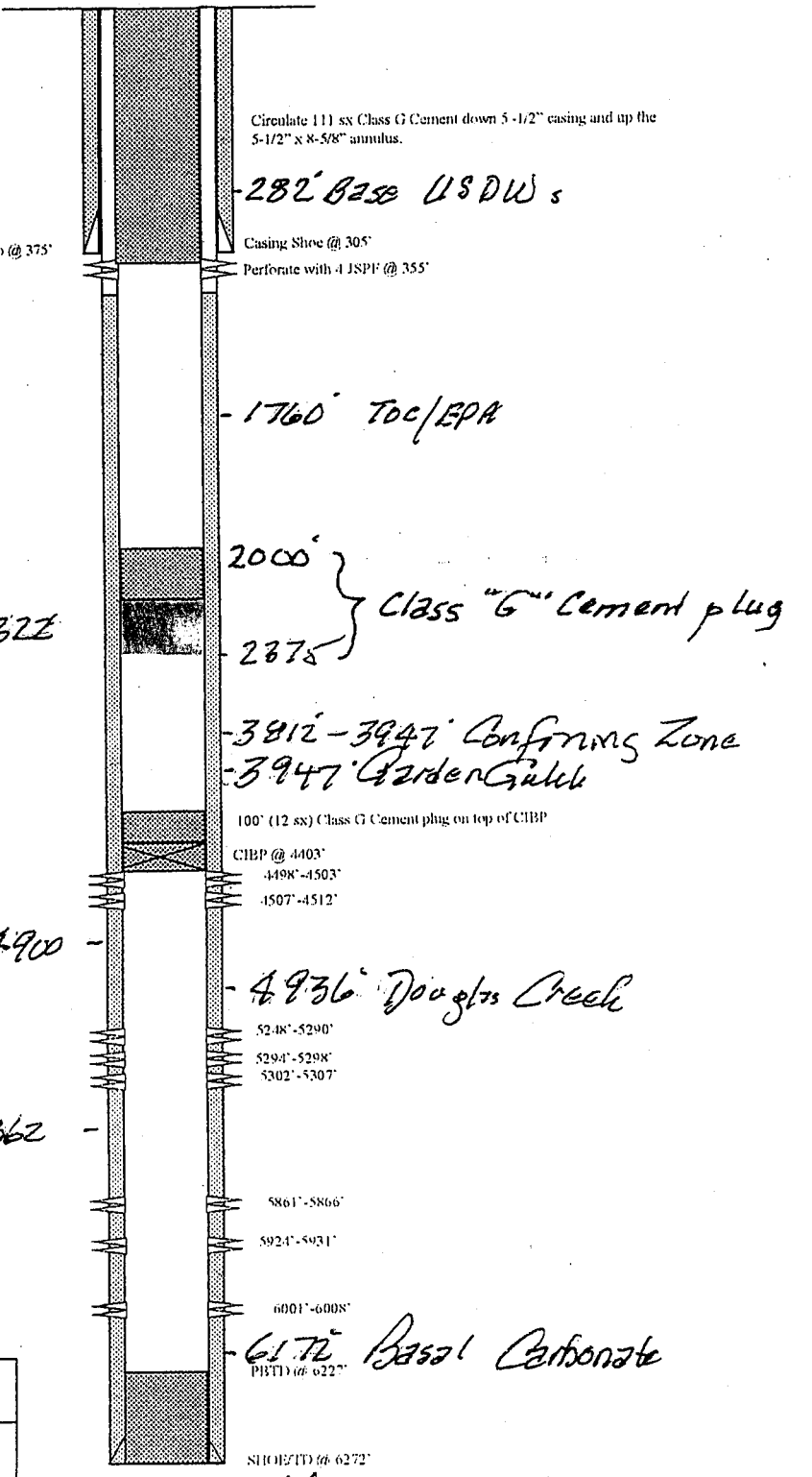
PLUG NO. 3: Perforate 355 feet with 4 JSPF. Pump Class "G" cement down the 5-1/2 inch casing to a depth of 355 feet, and up the 5-1/2 inch X 8-5/8 inch annulus to the surface.

Attachment E-5

Federal 7-31-8-18

Spud Date: 10/9/03
Put on Production: 11/18/03
GL: 5032' KB: 5044'

Proposed P&A
Wellbore Diagram



SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 7 jts. (294.54')
DEPTH LANDED: 304.54' KB
HOLE SIZE:12-1/4"
CEMENT DATA: 150 sxs Class "G" cmt mixed, est 4 bbls cmt to surf.

Cement Top @ 375'

PRODUCTION CASING

CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 15.5#
LENGTH: 147 jts. (6273.57)
DEPTH LANDED: 6271.57' KB
HOLE SIZE: 7-7/8"
CEMENT DATA: 300 sxs Prem. Lite II mixed & 400 sxs 50/50 POZ
CEMENT TOP AT: 375'

Green River 2322

NEWFIELD

Federal 7-31-8-18

2046' FNL & 1878' FEL
SWNE Section 31-T8S-R18E
Uintah Co, Utah
API #43-047-34500; Lease #UTU-74872

MC 8/29/05

APPENDIX F

CORRECTIVE ACTION REQUIREMENTS

No corrective action is deemed necessary for this project.

STATEMENT OF BASIS

NEWFIELD PRODUCTION COMPANY
FEDERAL 7-31-8-18
UINTAH COUNTY, UT

EPA PERMIT NO. UT21023-06976

CONTACT: Emmett Schmitz
U. S. Environmental Protection Agency
Ground Water Program, 8P-W-GW
999 18th Street, Suite 300
Denver, Colorado 80202-2466
Telephone: 1-800-227-8917 ext. 6174

This STATEMENT OF BASIS gives the derivation of site-specific UIC Permit conditions and reasons for them. Referenced sections and conditions correspond to sections and conditions in the Permit.

EPA UIC permits regulate the injection of fluids into underground injection wells so that the injection does not endanger underground sources of drinking water. EPA UIC permit conditions are based upon the authorities set forth in regulatory provisions at 40 CFR Parts 144 and 146, and address potential impacts to underground sources of drinking water. Under 40 CFR 144.35 Issuance of this permit does not convey any property rights of any sort or any exclusive privilege, nor authorize injury to persons or property of invasion of other private rights, or any infringement of other federal, state or local laws or regulations. Under 40 CFR 144 Subpart D, certain conditions apply to all UIC Permits and may be incorporated either expressly or by reference. General Permit conditions for which the content is mandatory and not subject to site-specific differences (40 CFR Parts 144, 146 and 147) are not discussed in this document.

PART I. General Information and Description of Facility

Newfield Production Company
1401 Seventeenth Street
Suite 1000
Denver, CO 80202

on

September 26, 2005

submitted an application for an Underground Injection Control (UIC) Program Permit or Permit Modification for the following injection well or wells:

Federal 7-31-8-18
2046' FNL & 1878' FEL, SWNE S31, T8S, R18E
Uintah County, UT

Regulations specific to Uintah-Ouray Indian Reservation injection wells are found at 40 CFR 147 Subpart TT.

The application, including the required information and data necessary to issue or modify a UIC Permit in accordance with 40 CFR Parts 144, 146 and 147, was reviewed and determined by EPA to be complete.

The Permit will expire upon delegation of primary enforcement responsibility (primacy) for applicable portions of the UIC Program to the Ute Indian Tribe or the State of Utah unless the delegated agency has the authority and chooses to adopt and enforce this Permit as a Tribal or State Permit.

TABLE 1.1 shows the status of the well or wells as "New", "Existing", or "Conversion" and for Existing shows the original date of injection operation. Well authorization "by rule" under 40 CFR Part 144 Subpart C expires automatically on the Effective Date of an issued UIC Permit.

The Federal 7-31-8-18 is currently an active Green River Formation oil well. The applicant intends to convert the Federal 7-31-8-18 to an enhnaced recovery injection well.

TABLE 1.1

WELL STATUS / DATE OF OPERATION

CONVERSION WELLS

Well Name	Well Status	Date of Operation
Federal 7-31-8-18	Conversion	N/A

PART II. Permit Considerations (40 CFR 146.24)

The proposed injection well is located in the Newfield Production Company Greater Monument Butte area near the center of the broad, gently northward dipping south flank of the Uinta Basin. The beds dip at about 200'/mile, and there are no known surface folds or faults in the field. The lower 600' to 800'of the Uinta Formation, generally consisting of 5' to 20' thick brown lenticular fluvial sandstone and interbedded varicolored shales, outcrops at the surface in this area. The Uinta is underlain by the Green River Formation which consists of lake (lacustrine) margin sandstones, limestone and shale beds that were deposited along the edges and on the broad level floor of Lake Uinta as it expanded and contracted through time. Underlying the Green River Formation is the Wasatch Formation, which is approximately 2400' thick in this area and consists of red alluvial shales and siltstone with scattered lenticular sandstones usually 10' to 50' thick. Below the Wasatch Formation is the Mesaverde Formation; a series of interbedded continental deposits of shale, sandstone, and coal. Water samples from Mesaverde sands in the nearby Natural Buttes Unit yield highly saline water.

The Uinta Basin is a topographic and structural trough encompassing an area of more than 9300 square mi (14,900 km) in northeast Utah. The basin is sharply asymmetrical, with a steep north flank bounded by the east-west-trending Uinta Mountains, and a gently dipping south flank. The Uinta Basin formed in Paleocene to Eocene time, creating a large area of internal drainage which was filled by ancestral Lake Uinta. Deposition in and around Lake Uinta consisted of open- to marginal-lacustrine sediments that make up the Green River Formation. Alluvial red-bed deposits that are laterally equivalent to and intertongue with the Green River make up the Colton Formation (Wasatch). More than 450 million barrels of oil (63 MT) have been produced from the Green River and Wasatch Formations in the Uinta Basin. The southern shore of Lake Uinta was very broad and flat, which allowed large transgressive and regressive shifts in the shoreline in response to climatic and tectonic-induced rise and fall of the lake. The cyclic nature of Green River deposition in the southern shore area resulted in numerous stacked deltaic deposits. Distributary-mouth bars, distributary channels, and near-shore bars are the primary producing sandstone reservoirs in the area (Ref: "Reservoir Characterization of the Lower Green River Formation, Southwest Uinta Basin, Utah Biannual Technical Progress Report 4/1/99 - 9/30/99", by C. D. Morgan, Program Manager, November 1999, Contract DE-AC26-98BC15103). The Tertiary Duchesne River Formation alluvium generally is present at the surface in this area.

Throughout the current Newfield Production Company area of enhanced recovery injection activity, i.e., T8-9S - R15-19E, Green River Formation water analyses generally exhibit total dissolved (TDS) content well in excess of 10,000 mg/l. A few recent applications for well conversion to enhanced recovery injection contain Green River water analyses withTDS approximating 10,000 mg/l. The State of Utah-Natural Resources ascribes low TDS values to several possibilities involving dilution of Green River water with high TDS values, e,g., recharge of the Green River Formation via Green River Formation outcrop on the Book Cliffs/Roan Cliffs; injection of very low TDS Johnson Water District Reservoir source water; and percolation of surface water via deep-seated Gilsonite veins penetrating lower Green River Members.

Geologic Setting (TABLE 2.1)

TABLE 2.1
GEOLOGIC SETTING
Federal 7-31-8-18

Formation Name	Top (ft)	Base (ft)	TDS (mg/l)	Lithology
Uinta	0.00	2,322.00	< 10,000.00	Predominantly fluvial sand and shale with interbedded lacustrine carbonate-sand-shale.
Green River	2,322.00	6,297.00	18,050.00	The "Depth to Bottom" of the Green River Formation is an estimate of the top of the Wasatch Formation. The G reen River Formation is predominantly lacustrine carbonate-sand--shale with interbedded fluvial sand and shale.

Proposed Injection Zone(s) (TABLE 2.2)

An injection zone is a geological formation, group of formations, or part of a formation that receives fluids through a well. The proposed injection zones are listed in TABLE 2.2.

Injection will occur into an injection zone that is separated from USDWs by a confining zone which is free of known open faults or fractures within the Area of Review.

The approved injection interval is the gross interval between the top of the Garden Gulch Member at 3947 feet and the top of the Wasatch Formation which is estimated to be 6297 feet.

TABLE 2.2
INJECTION ZONES
Federal 7-31-8-18

Formation Name	Top (ft)	Base (ft)	TDS (mg/l)	Fracture Gradient (psi/ft)	Porosity	Exempted?*
Green River	3,947.00	6,297.00	18,050.00	0.680		N/A

*** C - Currently Exempted**
E - Previously Exempted
P - Proposed Exemption
N/A - Not Applicable

Confining Zone(s) (TABLE 2.3)

A confining zone is a geological formation, part of a formation, or a group of formations that limits fluid movement above the injection zone. The confining zone or zones are listed in TABLE 2.3.

The 35-foot shale Confining Zone occurs at the top of the Garden Gulch Member between the depths of 3812 feet and 3947 feet.

TABLE 2.3
CONFINING ZONES
Federal 7-31-8-18

Formation Name	Formation Lithology	Top (ft)	Base (ft)
Green River	Shale	3,812.00	3,947.00

Underground Sources of Drinking Water (USDWs) (TABLE 2.4)

Aquifers or the portions thereof which contain less than 10,000 mg/l total dissolved solids (TDS) and are being or could in the future be used as a source of drinking water are considered to be USDWs. The USDWs in the area of this facility are identified in TABLE 2.4.

The State of Utah "Water Wells and Springs", http//NRWRT1.STATE.UT.US, identifies no public water supply wells within the one-quarter (1/4) mile Area-of-Review (AOR) around the Federal 7-31-8-18.

Technical Publication No. 92: State of Utah, Department of Natural Resources, cites the base of Underground Sources of Drinking Water (USDW) in the Uinta Formation, approximately 282 feet from the surface.

TABLE 2.4
UNDERGROUND SOURCES OF DRINKING WATER (USDW)
Federal 7-31-8-18

Formation Name	Formation Lithology	Top (ft)	Base (ft)	TDS (mg/l)
Uinta	Predominantly fluvial sand and shale.	0.00	282.00	< 10,000.00

PART III. Well Construction (40 CFR 146.22)

The Federal No. 7-31-8-18 was drilled to a total depth of 6272 (KB) feet in the Basal Carbonate Member of the Green River Formation.

Surface casing (8-5/8 inch) was set at a depth of 304 feet in a 12-1/4 inch hole using 150 sacks of Class "G" cement which was circulated to the surface.

Production casing (5-1/2 inch) was set at a depth of 6271 feet (KB) in a 7-7/8 inch hole with 300 sacks of Premium Lite II and 400 sacks of 50/50 poz mix. This well construction is considered adequate to protect USDW's.

The EPA calculates the top of cement as 1760 feet from the surface.

The schematic diagram shows the proposed current injection perforations in the Garden Gulch and Douglas Creek Members of the Green River Formation. Additional perforations may be added at a later time between the depths of 3947 feet and the top of the Wasatch Formation (Estimated to be 6297 feet) provided the operator first notifies the Director and later submits an updated well completion report (EPA Form 7520-12) and schematic diagram.

The packer will be required to be set no higher than 100 feet above the top perforation.

TABLE 3.1
WELL CONSTRUCTION REQUIREMENTS
Federal 7-31-8-18

Casing Type	Hole Size (in)	Casing Size (in)	Cased Interval (ft)	Cemented Interval (ft)
Production	7.88	5.50	0.00 - 6,271.00	1,760.00 - 6,271.00
Surface	12.25	8.63	0.00 - 304.00	0.00 - 304.00

The approved well completion plan will be incorporated into the Permit as APPENDIX A and will be binding on the Permittee. Modification of the approved plan is allowed under 40 CFR 144.52(a)(1) provided written approval is obtained from the Director prior to actual modification.

Casing and Cementing (TABLE 3.1)

The construction plan for the well or wells proposed for conversion to an injection well was evaluated and determined to be in conformance with standard practices and guidelines that ensure well injection does not result in the movement of fluids into USDWs. Well construction and conversion details for the well or wells are shown in TABLE 3.1.

Tubing and Packer

Injection tubing is required to be installed from a packer up to the surface inside the well casing. The packer will be set above the uppermost perforation. The tubing and packer are designed to prevent injection fluid from coming into contact with the outermost casing.

Tubing-Casing Annulus (TCA)

The TCA allows the casing, tubing and packer to be pressure-tested periodically for mechanical integrity, and will allow for detection of leaks. The TCA will be filled with fresh water treated with a corrosion inhibitor or other fluid approved by the Director.

The tubing/casing annulus must be kept closed at all times so that it can be monitored as required under the terms of the Permit.

Monitoring Devices

The permittee will be required to install and maintain wellhead equipment that allows for monitoring pressures and providing access for sampling the injected fluid. Required equipment may include but is not limited to: 1) shut-off valves located at the wellhead on the injection tubing and on the TCA; 2) a flow meter that measures the cumulative volume of injected fluid; 3) fittings or pressure gauges attached to the injection tubing and the TCA for monitoring the injection and TCA pressure; and 4) a tap on the injection line, isolated by shut-off valves, for sampling the injected fluid.

All sampling and measurement taken for monitoring must be representative of the monitored activity.

PART IV. Area of Review, Corrective Action Plan (40 CFR 144.55)

TABLE 4.1
AOR AND CORRECTIVE ACTION

Well Name	Type	Status (Abandoned Y/N)	Total Depth (ft)	TOC Depth (ft)	CAP Required (Y/N)
Federal 10-31-8-18	Producer	No	6,214.00	1,678.00	No
Federal 1-31-8-18	Producer	No	6,395.00	1,695.00	No
Federal 6-31-8-18	Producer	No	6,238.00	1,710.00	No
Federal 8-31-8-18	Producer	No	6,289.00	960.00	No

TABLE 4.1 lists the wells in the Area of Review ("AOR") and shows the well type, operating status, depth, top of casing cement ("TOC") and whether a Corrective Action Plan ("CAP") is required for the well.

Area Of Review

Applicants for Class I, II (other than "existing" wells) or III injection well Permits are required to identify the location of all known wells within the injection well's Area of Review (AOR) which penetrate the injection zone, or in the case of Class II wells operating over the fracture pressure of the formation, all known wells within the area of review that penetrate formations which may be affected by increased pressure. Under 40 CFR 146.6 the AOR may be a fixed radius of not less than one quarter (1/4) mile or a calculated zone of endangering influence. For Area Permits, a fixed width of not less than one quarter (1/4) mile for the circumscribing area may be used.

Corrective Action Plan

For wells in the AOR which are improperly sealed, completed, or abandoned, the applicant shall

develop a Corrective Action Plan (CAP) consisting of the steps or modifications that are necessary to prevent movement of fluid into USDWs.

The CAP will be incorporated into the Permit as APPENDIX F and become binding on the permittee.

TABLE 4.1 lists the wells in the AOR, and shows the well type, operating status, depth, top of casing cement and whether a CAP is required for this well.

PART V. Well Operation Requirements (40 CFR 146.23)

TABLE 5.1
INJECTION ZONE PRESSURES
Federal 7-31-8-18

Formation Name	Depth Used to Calculate MAIP (ft)	Fracture Gradient (psi/ft)	Initial MAIP (psi)
Green River	4,498.00	0.680	1,100

Approved Injection Fluid
The approved injection fluid is limited to Class II injection well fluids pursuant to 40 CFR § 144.6(b). For disposal wells injecting water brought to the surface in connection with natural gas storage operations, or conventional oil or natural gas production, the fluid may be commingled and the well used to inject other Class II wastes such as drilling fluids and spent well completion, treatment and stimulation fluid. Injection of non-exempt wastes, including unused fracturing fluids or acids, gas plant cooling tower cleaning wastes, service wastes and vacuum truck wastes, is prohibited.

The proposed injectate is a blend of source water from the Johnson Water District reservoir and produced water from adjacent wells. The TDS of the injectate has been analyzed at 9783 mg/l.

Injection Pressure Limitation
Injection pressure, measured at the wellhead, shall not exceed a maximum calculated to assure that the pressure used during injection does not initiate new fractures or propagate existing fractures in the confining zones adjacent to the USDWs.

The applicant submitted injection fluid density and injection zone data which was used to calculate a formation fracture pressure and to determine the maximum allowable injection pressure (MAIP), as measured at the surface, for this Permit,

TABLE 5.1 lists the fracture gradient for the injection zone and the approved MAIP, determined according to the following formula:

$$FP = [fg - (0.433 * sg)] * d$$

FP = formation fracture pressure (measured at surface)
fg = fracture gradient (from submitted data or tests)

sg = specific gravity (of injected fluid)
d = depth to top of injection zone (or top perforation)

Injection Volume Limitation

Cumulative injected fluid volume limits are set to assure that injected fluids remain within the boundary of the exempted area. Cumulative injected fluid volume is limited when injection occurs into an aquifer that has been exempted from protection as a USDW.

There will be no restrictions on the cumulative volumn of authorized fluid to be injected into the approved interval which is from 3947 feet to the top of the Wasatch Formation, estimatd to be 6297 feet.

Mechanical Integrity (40 CFR 146.8)

An injection well has mechanical integrity if:

1. there is no significant leak in the casing, tubing, or packer (Part I); and
2. there is no significant fluid movement into a USDW through vertical channels adjacent to the injection well bore (Part II).

The Permit prohibits injection into a well which lacks mechanical integrity.

The Permit requires that the well demonstrate mechanical integrity prior to injection and periodically thereafter. A demonstration of mechanical integrity includes both internal (Part I) and external (Part II). The methods and frequency for demonstrating Part I and Part II mechanical integrity are dependent upon well-specific conditions as explained below.

Well construction and site-specific conditions dictate the following requirements for Mechanical Integrity (MI) demonstrations:

PART I MI: Internal MI will be demonstrated prior to beginning injection. Since this well is constructed with a standard casing, tubing, and packer configuration, a successful mechanical integrity test (MIT) is required to take place at least once every five (5) years. A demonstration of Part I MI is also required prior to resuming injection following any workover operation that affects the casing, tubing or packer. Part I MI may be demonstrated by a standard tubing-casing annulus pressure test using the maximum permitted injection pressure or 1000 psi, which ever is less, with a ten (10) percent or less pressure loss over thirty (30) minutes.

PART II MI: - The CBL indicates that cement does not meet minimum requirements needed to demonstrate zone isolation (at least 18 feet of continuous 80% bond, or better) through the confining zone. Therefore, further testing for Part II MI will be required prior to injection and at least once every five years thereafter. The demonstration shall be by temperature survey or other approved test. Approved tests for demonstrating Part II MI include a temperature survey, noise log or oxygen activation log, and Region 8 may also accept results of a radioactive tracer survey under certain circumstances.

PART VI. Monitoring, Recordkeeping and Reporting Requirements

Injection Well Monitoring Program

At least once a year the permittee must analyze a sample of the injected fluid for total dissolved solids (TDS), specific conductivity, pH, and specific gravity. This analysis shall be reported to EPA

annually as part of the Annual Report to the Director. Any time a new source of injected fluid is added, a fluid analysis shall be made of the new source.

Instantaneous injection pressure, injection flow rate, cumulative fluid volume and TCA pressures must be observed on a weekly basis. A recording, at least once every thirty (30) days, must be made of the injection pressure, injection flow rate and cumulative fluid volume, and the maximum and average value for each must be determined for each month. This information is required to be reported annually as part of the Annual Report to the Director.

PART VII. Plugging and Abandonment Requirements (40 CFR 146.10)

Plugging and Abandonment Plan

Prior to abandonment, the well shall be plugged in a manner that isolates the injection zone and prevents movement of fluid into or between USDWs, and in accordance with other applicable federal, State or local law or regulation. Tubing, packer and other downhole apparatus shall be removed. Cement with additives such as accelerators and retarders that control or enhance cement properties may be used for plugs; however, volume-extending additives and gel cements are not approved for plug use. Plug placement shall be verified by tagging. Plugging gel of at least 9.6 lb/gal shall be placed between all plugs. A minimum 50 ft surface plug shall be set inside and outside of the surface casing to seal pathways for fluid migration into the subsurface. Within sixty (60) days after plugging the owner or operator shall submit Plugging Record (EPA Form 7520 13) to the Director. The Plugging Record must be certified as accurate and complete by the person responsible for the plugging operation. The plugging and abandonment plan is described in Appendix E of the Permit.

All cement plugs will be set with tubing.

9.2 ppg plugging gel, or fresh water weighted with bentonite or treated brine will be placed between all cement plugs.

The following Plugging and Abandonment Plan, as proposed by the permittee, is predicated on the permittee not revising the injection perforations cited on the schematic diagram of well construction/conversion. Should the uppermost perforations (4498 feet to 4503 feet) be modified in construction, the EPA will modify the P&A Plan accordingly.

PLUG NO. 1: A Cast Iron Bridge Plug (CIBP) at 4403 feet with 100 feet of Class "G" cement on CIBP.

PLUG NO. 2: A Class "G" cement plug from 2000 feet to 2375 feet. This plug will cover both a water zone and the top of the Green River Formation.

PLUG NO. 3: Perforate 355 feet with 4 JSPF. Pump Class "G" cement down the 5-1/2 inch casing to a depth of 355 feet, and up the 5-1/2 inch X 8-5/8 inch annulus to the surface.

PART VIII. Financial Responsibility (40 CFR 144.52)

Demonstration of Financial Responsibility

The permittee is required to maintain financial responsibility and resources to close, plug, and abandon the underground injection operation in a manner prescribed by the Director. The permittee shall show evidence of such financial responsibility to the Director by the submission of a

surety bond, or other adequate assurance such as financial statements or other materials acceptable to the Director. The Regional Administrator may, on a periodic basis, require the holder of a lifetime permit to submit a revised estimate of the resources needed to plug and abandon the well to reflect inflation of such costs, and a revised demonstration of financial responsibility if necessary. Initially, the operator has chosen to demonstrate financial responsibility with:

A Financial Statement which was approved by the EPA on September 19, 2006. The EPA also approves the estimate of $33,500 to plug and abandon the Federal No. 7-31-8-18.

Financial Statement, received April 22, 2005

Evidence of continuing financial responsibility is required to be submitted to the Director annually.

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-74872
6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
7. UNIT or CA AGREEMENT NAME: SUNDANCE UNIT
8. WELL NAME and NUMBER: FEDERAL 7-31-8-18
9. API NUMBER: 4304734500
10. FIELD AND POOL, OR WILDCAT: MONUMENT BUTTE

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL: OIL WELL [X] GAS WELL [ ] OTHER

2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY

3. ADDRESS OF OPERATOR: Route 3 Box 3630 CITY Myton STATE UT ZIP 84052 PHONE NUMBER 435.646.3721

4. LOCATION OF WELL:
FOOTAGES AT SURFACE: 2046 FNL 1878 FEL COUNTY: UINTAH
OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: SWNE, 31, T8S, R18E STATE: UT

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
[ ] NOTICE OF INTENT (Submit in Duplicate)	[ ] ACIDIZE	[ ] DEEPEN	[ ] REPERFORATE CURRENT FORMATION
Approximate date work will	[ ] ALTER CASING	[ ] FRACTURE TREAT	[ ] SIDETRACK TO REPAIR WELL
	[ ] CASING REPAIR	[ ] NEW CONSTRUCTION	[ ] TEMPORARITLY ABANDON
	[ ] CHANGE TO PREVIOUS PLANS	[ ] OPERATOR CHANGE	[ ] TUBING REPAIR
	[ ] CHANGE TUBING	[ ] PLUG AND ABANDON	[ ] VENT OR FLAIR
[X] SUBSEQUENT REPORT (Submit Original Form Only)	[ ] CHANGE WELL NAME	[ ] PLUG BACK	[ ] WATER DISPOSAL
Date of Work Completion:	[X] CHANGE WELL STATUS	[ ] PRODUCTION (START/STOP)	[ ] WATER SHUT-OFF
01/11/2007	[ ] COMMINGLE PRODUCING FORMATIONS	[ ] RECLAMATION OF WELL SITE	[ ] OTHER: -
	[X] CONVERT WELL TYPE	[ ] RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The subject well has been converted from a producing oil well to an injection well on 1/11/07. On 12/28/06 Dan Jackson with the EPA was contacted concerning the initial MIT on the above listed well. Permission was given at that time to perform the test on 1/19/07. On 1/19/07 the casing was pressured up to 1240 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 220 psig during the test. There was not an EPA representative available to witness the test. EPA# UT 21023-06977 API# 43-047-34500

Accepted by the Utah Division of Oil, Gas and Mining
FOR RECORD ONLY

NAME (PLEASE PRINT) Callie Ross TITLE Production Clerk

SIGNATURE Callie Ross DATE 01/24/2007

(This space for State use only)

RECEIVED
JAN 2 6 2007
DIV. OF OIL, GAS & MINING

Mechanical Integrity Test
Casing or Annulus Pressure Mechanical Integrity Test

U.S. Environmental Protection Agency
Underground Injection Control Program
999 18th Street, Suite 500 Denver, CO 80202-2466

EPA Witness: _____ Date: 01/20/07
Test conducted by: Dale Giles
Others present: _____

Well Name: Federal 7-31-8-18 Type: ER SWD Status: AC TA UC
Field: Sundance Unit
Location: _____ Sec: 31 T 8 N (S) R 18 (E) W County: Uintah State: Ut
Operator: Newfield Production Co.
Last MIT: / / Maximum Allowable Pressure: _____ PSIG

Is this a regularly scheduled test? [ ] Yes [ ] No
Initial test for permit? [X] Yes [ ] No
Test after well rework? [ ] Yes [ ] No
Well injecting during test? [ ] Yes [ ] No If Yes, rate: _____ bpd

Pre-test casing/tubing annulus pressure: 0 psig

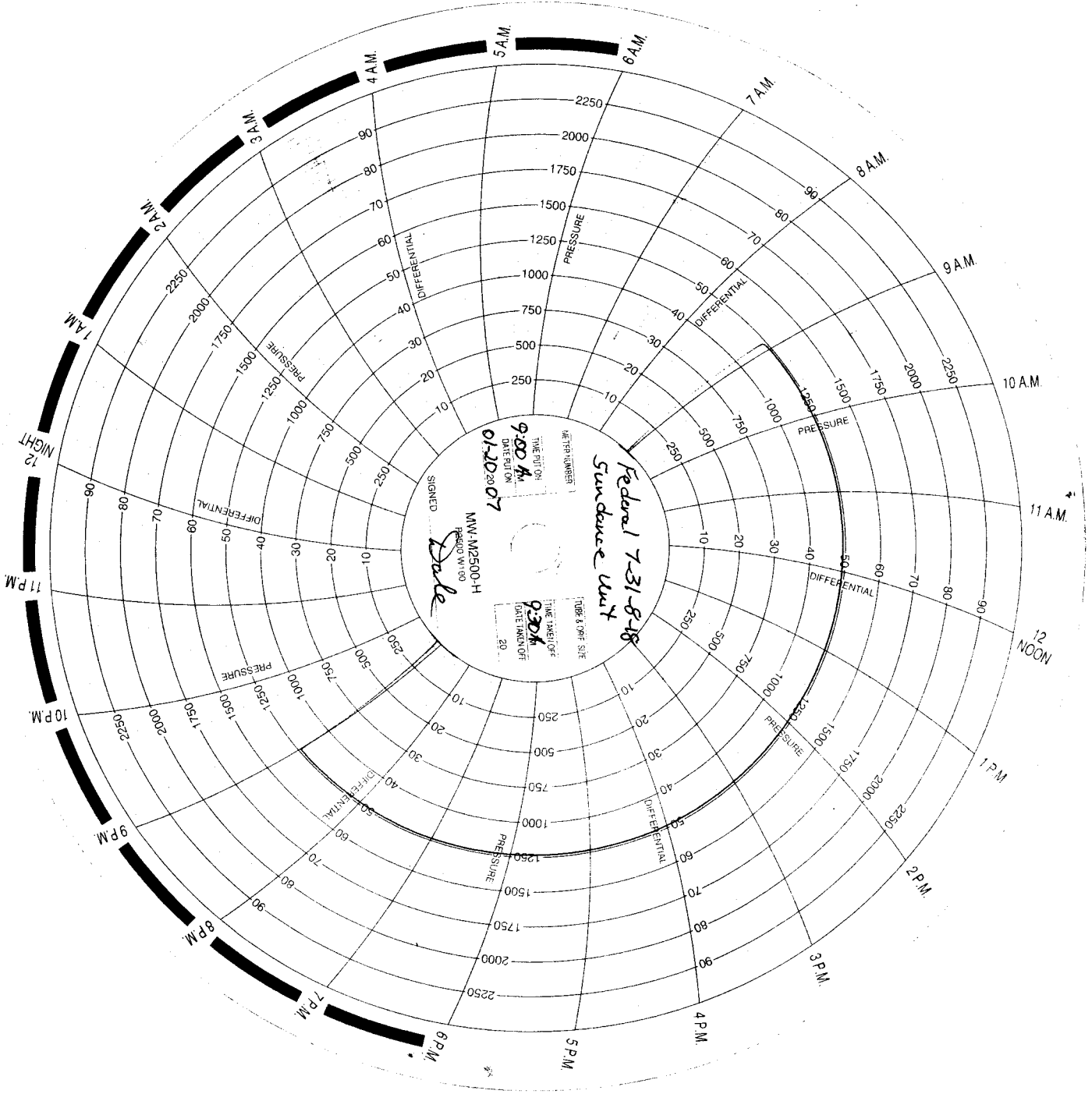
MIT DATA TABLE	Test #1	Test #2	Test #3
TUBING	*PRESSURE*		
Initial Pressure	220 psig	psig	psig
End of test pressure	220 psig	psig	psig
CASING / TUBING	*ANNULUS*	*PRESSURE*	
0 minutes	1240 psig	psig	psig
5 minutes	1240 psig	psig	psig
10 minutes	1240 psig	psig	psig
15 minutes	1240 psig	psig	psig
20 minutes	1240 psig	psig	psig
25 minutes	1240 psig	psig	psig
30 minutes	1240 psig	psig	psig
_____ minutes	psig	psig	psig
_____ minutes	psig	psig	psig
RESULT	[X] Pass [ ] Fail	[ ] Pass [ ] Fail	[ ] Pass [ ] Fail

Does the annulus pressure build back up after the test ? [ ] Yes [X] No

MECHANICAL INTEGRITY PRESSURE TEST

Additional comments for mechanical integrity pressure test, such as volume of fluid added to annulus and bled back at end of test, reason for failing test (casing head leak, tubing leak, other), etc.:

Signature of Witness:


Federal 7-31-8-18
Sundance Unit
9:00 AM
01-20-2007
9:30 AM
MW-M2500-H
SIGNED
Dale
TIME PUT ON
DATE PUT ON
METER NUMBER
TIME TAKEN OFF
DATE TAKEN OFF
TUBE & ORIF SIZE
PRESSURE
DIFFERENTIAL
12 NOON
1 P.M.
2 P.M.
3 P.M.
4 P.M.
5 P.M.
6 P.M.
7 P.M.
8 P.M.
9 P.M.
10 P.M.
11 P.M.
MIDNIGHT
1 A.M.
2 A.M.
3 A.M.
4 A.M.
5 A.M.
6 A.M.
7 A.M.
8 A.M.
9 A.M.
10 A.M.
11 A.M.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 8
1595 Wynkoop Street
DENVER, CO 80202-1129
Phone 800-227-8917
http://www.epa.gov/region08

FEB 2 8 2007

Ref: 8P-W-GW

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY

Mr. Mike Guinn
Vice President - Operations
Newfield Production Company
Route 3 - Box 3630
Myton, UT 84502

RE: **180-Day Limited Authorization to Inject**
Federal No. 7-31-8-18
EPA Permit No. UT21023-06976
Uintah County, Utah
43.047.34500
8S 18E 31

Dear Mr. Guinn:

The Newfield Production Company (Newfield) January 24, 2007 submission of **Prior to Commencing Injection** documents did contain all information required to fulfill the Environmental Protection Agency's (EPA) requirements, as cited in the Final Permit UT21023-06976 The submitted data included an EPA Well Rework Form (Form No. 7520-12), a Part I (Internal) Mechanical Integrity Test, and an injection zone pore pressure. All requirements were reviewed and approved by the EPA on February 15, 2007.

The EPA is hereby authorizing injection into the Federal No. 7-31-8-18 for a limited period of up to one hundred and eighty (180) calendar days, herein referred to as the "Limited Authorized Period". **The 180-Day "Limited Authorized Period" will commence upon the first date of enhanced recovery injection.** The permittee is responsible for notifying Emmett Schmitz, of my office, by letter within fifteen (15) working days of the date that enhanced recovery injection began. The initial maximum allowable injection pressure (MAIP) shall be **1100 psig**.

RECEIVED
MAR 05 2007
DIV. OF OIL, GAS & MINING

Because the cement bond log submitted for this well did not show an adequate interval of 80% or greater bond index cement through the confining zone overlying the Garden Gulch Member, **the operator is required to demonstrate Part II (External) Mechanical Integrity (Part II MI) within the 180-day "Limited Authorized Period"**. Approved tests for demonstrating Part II (External) MI include a Temperature Survey, a Noise Log or Oxygen Activation Log, and Region 8 may also accept results of a Radioactive Tracer Survey under certain circumstances. The "Limited Authorized Period" allows injection for the purpose of stabilizing the injection formation pressure prior to demonstrating Part II (External) MI, which is necessary because the proposed injection zone is under-pressured due to previous oil production from the zone, and the tests rely on stable formation pressure. Results of tests shall be submitted to and written approval with authority to re-commence injection received from EPA prior to resuming injection following the "Limited Authorized Period". Copies of current Region 8 Guidelines for conducting Part II (External) Mechanical Integrity Tests will be submitted upon request.

Should you choose to apply for an increase to the MAIP, at any future date, **a demonstration of Part II (External) MI** must be conducted **in addition to the Step-Rate Test**. You must receive prior authorization from the Director in order to inject at pressures greater than the permitted MAIP during the test(s).

If you have any questions in regard to the above action, please contact Emmett Schmitz at 1-800-227-8917 (Ext. 6174), or 303-312-6174. Results from the Part II (External) MI Test, should be mailed directly to the **ATTENTION: EMMETT SCHMITZ**, at the letterhead address citing **MAIL CODE: 8P-W-GW** very prominently.

Sincerely,

for Stephen S. Tuber
Assistant Regional Administrator
Office Of Partnerships and Regulatory Assistance

cc: David Gerbig
Operations Engineer
Newfield Production Company
Denver, CO 80202

Maxine Natchees
Chairperson
Uintah & Ouray Business Committee
Ute Indian Tribe

Lynn Becker
Director
Energy & Minerals Department
Ute Indian Tribe

Shaun Chapoose
Director
Land Use Dept.
Ute Indian Tribe

Chester Mills
Superintendent
U.S. Bureau of Indian Affairs
Uintah & Ouray Indian Agency

Gilbert Hunt
Assistant Director
State of Utah - Natural Resources
Division of Oil, Gas, and Mining

Fluid Minerals Engineering Office
U.S. Bureau of Land Management
Vernal, Utah

Irene Cuchs
Councilwoman
Uintah & Ouray Business Committee
Ute Indian Tribe

Smiley Arrowchis
Councilman
Uintah & Ouray Business Committee
Ute Indian Tribe

Ronald Groves
Councilman
Uintah & Ouray Business Committee
Ute Indian Tribe

Richard Jenks. Jr.
Councilman
Uintah & Ouray Business Committee

Ute Indian Tribe

Francis Poowegup
Councilman
Uintah & Ouray Business Committee
Ute Indian Tribe

Mr. Nathan Wiser
8ENF-UFO

FORM 3160-5
(September 2001)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0135
Expires January 31,2004

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

[redacted] Other Instructions on reverse side

5. Lease Serial No.
USA UTU-74872

6. If Indian, Allottee or Tribe Name.

7. If Unit or CA/Agreement, Name and/or
SUNDANCE UNIT

1. Type of Well
☒ Oil Well ☐ Gas Well ☐ Other

8. Well Name and No.
FEDERAL 7-31-8-18

2. Name of Operator
NEWFIELD PRODUCTION COMPANY

9. API Well No.
4304734500

3a. Address Route 3 Box 3630
Myton, UT 84052

3b. Phone *(include are code)*
435.646.3721

10. Field and Pool, or Exploratory Area
MONUMENT BUTTE

4. Location of Well *(Footage, Sec., T., R., M., or Survey Description)*
2046 FNL 1878 FEL

SWNE Section 31 T8S R18E

11. County or Parish, State
UINTAH, UT

12. CHECK APPROPRIATE BOX(ES) TO INIDICATE NATURE OF NOTICE, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☐ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production(Start/Resume)	☐ Water Shut-Off
☒ Subsequent Report	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other Change Status, Put Well on Injection
	☐ Change Plans	☐ Plug & Abandon	☐ Temporarily Abandon	
	☒ Convert to	☐ Plug Back	☐ Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

The above referenced well was put on injection at 11:00 a.m. on 3/28/07.

UIC Permit #UT21023-06976

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY

I hereby certify that the foregoing is true and correct *(Printed/ Typed)*
Mandie Crozier

Title
Regulatory Specialist

Signature

Date
03/29/2007

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious and fraudulent statements or representations as to any matter within its jurisdiction

(Instructions on reverse)

RECEIVED
MAR 30 2007
DIV. OF OIL, GAS & MINING

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 8
1595 Wynkoop Street
Denver, CO 80202-1129
Phone 800-227-8917
http://www.epa.gov/region08

MAR 3 2008

Ref: 8P-W-GW

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Mr. Michael Guinn
District Manager
Newfield Production Company
Route 3-Box 3630
Myton, UT 84502

RE: **Permit Extension**
EPA UIC Permit UT21023-06976
Well: Federal 7-31-8-18
Uintah County, Utah
API #: 43-047-34500

Dear Mr.Guinn: 8S 18E 31

The Environmental Protection Agency (EPA) has reviewed your February 13, 2008 request for an extension of the referenced Class II enhanced recovery Injection Permit. The EPA will extend UIC Permit UT210230-06976 for 120 days, commencing February 26, 2008. THis is your second request for an extension of the date to successfully complete the radioactive tracer survey and the step rate test. The second extension will expire June 25, 2008.

Please remember that it is your responsibility to be aware of and to comply with all conditions of the Permit. If you have any questions regarding this approval, please call Margo Smith at 800-227-8917, extension 312-6318.

Sincerely,

Steven J. Pratt, P.E., CAPM (inactive)
Director, Ground Water Program

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY

Curtis Cesspooch, Chairman
Uintah & Ouray Business Committee
Ute Indian Tribe

Ronald Groves, Councilman
Uintah & Ouray Business Committee
Ute Indian Tribe

Irene Cuch, Vice-Chairwoman
Uintah & Ouray Business Committee
Ute Indian Tribe

Steven Cesspooch, Councilman
Uintah & Ouray Business Committee
Ute Indian Tribe

Phillip Chimburas, Councilman
Uintah & Ouray Business Committee
Ute Indian Tribe

Frances Poowegup, Councilwoman
Uintah & Ouray Business Committee
Ute Indian Tribe

Chester Mills, Superintendent
BIA - Uintah & Ouray Indian Agency

Shawn Chapoose, Director
Land Use Department
Ute Indian Tribe

Gil Hunt
Assistant Director
Utah Division of Oil, Gas, and Mining

Fluid Minerals Engineering Office
BLM - Vernal Office

Michael Guinn
District Manager
Newfield Production Company
Myton, Utah

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

5. LEASE DESIGNATION AND SERIAL NUMBER:
USA UTU-74872
6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
7. UNIT or CA AGREEMENT NAME:
SUNDANCE UNIT
8. WELL NAME and NUMBER:
FEDERAL 7-31-8-18
9. API NUMBER:
4304734500
10. FIELD AND POOL, OR WILDCAT:
MONUMENT BUTTE

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL: OIL WELL [x] GAS WELL [ ] OTHER

2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY

3. ADDRESS OF OPERATOR: Route 3 Box 3630 CITY Myton STATE UT ZIP 84052 PHONE NUMBER 435.646.3721

4. LOCATION OF WELL:
FOOTAGES AT SURFACE: 2046 FNL 1878 FEL COUNTY: UINTAH
OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: SWNE, 31, T8S, R18E STATE: UT

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
[ ] NOTICE OF INTENT (Submit in Duplicate)	[ ] ACIDIZE	[ ] DEEPEN	[ ] REPERFORATE CURRENT FORMATION
Approximate date work will	[ ] ALTER CASING	[ ] FRACTURE TREAT	[ ] SIDETRACK TO REPAIR WELL
	[ ] CASING REPAIR	[ ] NEW CONSTRUCTION	[ ] TEMPORARITLY ABANDON
	[ ] CHANGE TO PREVIOUS PLANS	[ ] OPERATOR CHANGE	[ ] TUBING REPAIR
	[ ] CHANGE TUBING	[ ] PLUG AND ABANDON	[ ] VENT OR FLAIR
[x] SUBSEQUENT REPORT (Submit Original Form Only)	[ ] CHANGE WELL NAME	[ ] PLUG BACK	[ ] WATER DISPOSAL
Date of Work Completion:	[ ] CHANGE WELL STATUS	[ ] PRODUCTION (START/STOP)	[ ] WATER SHUT-OFF
04/23/2008	[ ] COMMINGLE PRODUCING FORMATIONS	[ ] RECLAMATION OF WELL SITE	[x] OTHER: - Weekly Status Report
	[ ] CONVERT WELL TYPE	[ ] RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The above subject well had workover procedures performed, and then was placed back on production. Attached is a daily status report.
On 03/10/08 Margo Smith with the EPA was contacted concerning the MIT on the above listed well. Permission was given at that time to perform the test on 04/14/08. On 04/14/08 the csg was pressured up to 1400 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tbg pressure was 280 psig during the test. There was not an EPA representative available to witness the test.
EPA# UT21023-06976
API # 43-047-34500

Accepted by the Utah Division of Oil, Gas and Mining
FOR RECORD ONLY

NAME (PLEASE PRINT) Jentri Park TITLE Production Clerk

SIGNATURE [signature] DATE 04/23/2008

(This space for State use only)

RECEIVED
APR 24 2008
DIV. OF OIL, GAS & MINING

Daily Activity Report

Format For Sundry

FEDERAL 7-31-8-18

1/1/2008 To 5/30/2008

2/21/2008 Day: 1 **Workover**

NC #2 on 2/20/2008 - MIRU NC #2. ND wellhead. NU BOPs. RU rig floor. RU hot oiler & pump 20 BW down tbg. Release Arrowset 1-X packer. TOOH w/ tbg as detailed below (tallying). LD Arrowset 1-X packer. PU TS plug, HD packer & SN. TIH w/ 134 jts 2 7/8" tbg & PU 30 jts tbg from trailer. Set TS plug @ 5350'. PUH 10' & set HD packer. Fill tbg- csg annulus w/ 45 BW. Fill tbg w/ 10 BW & pressure test tbg to 3500 psi. Release HD packer. PUH & set HD packer w/ CE @ 5182' & EOT @ 5192' & tbg stacked out on packer. RD rig floor. ND BOPs. NU wellhead. Ready for MARCIT squeeze.

3/15/2008 Day: 2 **Workover**

on 3/14/2008 - 3/14/08: Started stage 1 at 10:30 am. Flushed 100 BBl of water and ended stage 1 at 1:00 with o psi. Started stage 2 at 1:00 pm with 0 psi.Pumped 704 BBL of 1000 @ 3000 ppm Polymer with 860 psi at 6:00 am.

3/16/2008 Day: 3 **Workover**

on 3/15/2008 - 3/15/08: ended stage 2 at 1:00 pm, 997 BBL pumped at 3000 ppm polymer with 870 psi at 1:00 pm. Started stage 3 at 1:00 pm. Pumped 687 BBL of 5000 @ 4500 ppm polymer with 1030 psi @ 6:00 am.

3/17/2008 Day: 4 **Workover**

on 3/16/2008 - Stage #3 Pumped 1160 BBL of 5000 @ 4500 ppm polymer with 1160 psi. @ 6:00 am. (Slowed injection rate to 890 bpd at 9 pm on the 3-16-08)

3/18/2008 Day: 5 **Workover**

on 3/17/2008 - Stage #3 Pumped 3656 BBL of 5000 @ 4500 ppm polymer with 1310 psi. @ 6:00 am. (injection rate @ 1000 bpd)

3/19/2008 Day: 6 **Workover**

on 3/18/2008 - Stage 3 pumped 1006 BBL, 3566 total of 5000 @ 4500 ppm Polymer with 1370 psi at 6:00 am.

3/20/2008 Day: 7 **Workover**

Rigless on 3/19/2008 - Stage 3 pumped 1003 BBl, 4569 total of 5000 at 4500 ppm Polymer with 1460 psi @m 6:00 am.

3/21/2008 Day: 8 **Workover**

Rigless on 3/20/2008 - Finished stage 3 at 4:23 pm. 5142 BBL total pumped @4500 ppm Polymer with 1470 psi @ 4:23 pm. Started stage 4 at 4:23 pm. Slowed rate to 890 BPD at 6:00 pm. Pumped 447 BBL of 3000 @ 6000 ppm Polymer with1530 psi @ 4:15 am. Shut down for pump repair.

3/22/2008 Day: 9 **Workover**

Rigless on 3/21/2008 - Down for repair. Flushed 65 BBL water @ 8:30 am. Continued stage 4 @ 10:23 am. Pumped 726 BBL 1173 total of 3000 @ 6000 PPM Polymer with 1560 psi @ 6:00 am.

3/23/2008 Day: 10 **Workover**

Rigless on 3/22/2008 - Stage 4: pumped 888 BBL 2061 total of 3000 @ 6000 ppm Polymer with 1510 psi @ 6:00 am..

3/24/2008 Day: 11 **Workover**

Rigless on 3/23/2008 - Stage 4: pumped 888 BBL 2949 total of 3000 @ 6000 ppm Polymer with 1500 psi @ 6:00 am.

3/25/2008 Day: 12 **Workover**

on 3/24/2008 - Stage 4: pumped 49 BBL 2992 total @ 6000 ppm Polymerwith 1500 psi at 7:10 am. Flushed 136 BBL of water and ended treatment @ 10:50am with 1420 psi.

4/11/2008 Day: 13 **Workover**

NC #2 on 4/10/2008 - MIRU NC #2. ND wellhead. Release HD packer. NU BOPs. RU rig floor. TIH w/ 6- jts 2 7/8" J-55 tbg, latch onto & release TS packer. TOOH w/ tbg, LD 30- jts of tbg on trailer, continue TOOH w/ tbg. LD plug & packer. PU Arrowset 1-X packer. TIH w/ 134- jts 2 7/8" J-55 tbg. Flush tbg w/ 20 BW @ 200°. Pump standing valve down tbg. Pressure test tbg to 3000 psi. Held test for 30 minutes w/ 0 psi loss. RU sandline. RIH w/ fishing tool on sandline & retrieve standing valve. RD rig floor. ND BOPs. NU wellhead. Circulate 75 bbls packer fluid down tbg-csg annulus. Set Arrowset 1-X packer w/ 16000# tension & CE @ 4433'. NU wellhead. Pressure test tbg-csg annulus to 1200 psi. Held test for 30 minutes w/ 0 psi loss. RDMOSU. Ready for MIT!

4/15/2008 Day: 14 **Workover**

on 4/14/2008 - On 3/10/08 Margo smith with the EPA was contacted concerning the MIT on the above listed well (Fed 7-31-8-18). Permission was given at that time to perform the test on 4/14/08. On 4/14/08 the csg was pressured up to 1400 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tbg pressure was 280 psig during the test. There was not an EPA representative available to witness the test. Final report EPA# UT21023-06976 API# 43-047-34500

Pertinent Files: Go to File List

Mechanical Integrity Test
Casing or Annulus Pressure Mechanical Integrity Test

U.S. Environmental Protection Agency
Underground Injection Control Program
999 18th Street, Suite 500 Denver, CO 80202-2466

EPA Witness: _____ Date: 04 / 14 / 09
Test conducted by: Dale Giles
Others present: _____

Well Name: Federal 7-31-8-18 Type: ER SWD Status: AC TA UC
Field: Sundance Unit
Location: _____ Sec: 31 T 8 N (S) R 18 (E) W County: Uintah State: UT
Operator: Newfield Production Co.
Last MIT: / / Maximum Allowable Pressure: 1100 PSIG

Is this a regularly scheduled test? [ ] Yes [ ] No
Initial test for permit? [ ] Yes [ ] No
Test after well rework? [X] Yes [ ] No
Well injecting during test? [ ] Yes [X] No If Yes, rate: _____ bpd

Pre-test casing/tubing annulus pressure: 0 psig

MIT DATA TABLE	Test #1	Test #2	Test #3
TUBING	*PRESSURE*		
Initial Pressure	280 psig	psig	psig
End of test pressure	280 psig	psig	psig
CASING / TUBING	*ANNULUS*	*PRESSURE*	
0 minutes	1400 psig	psig	psig
5 minutes	1400 psig	psig	psig
10 minutes	1400 psig	psig	psig
15 minutes	1400 psig	psig	psig
20 minutes	1400 psig	psig	psig
25 minutes	1400 psig	psig	psig
30 minutes	1400 psig	psig	psig
_____ minutes	psig	psig	psig
_____ minutes	psig	psig	psig
RESULT	[X] Pass [ ] Fail	[ ] Pass [ ] Fail	[ ] Pass [ ] Fail

Does the annulus pressure build back up after the test ? [ ] Yes [X] No

MECHANICAL INTEGRITY PRESSURE TEST

Additional comments for mechanical integrity pressure test, such as volume of fluid added to annulus and bled back at end of test, reason for failing test (casing head leak, tubing leak, other), etc.:

Signature of Witness:

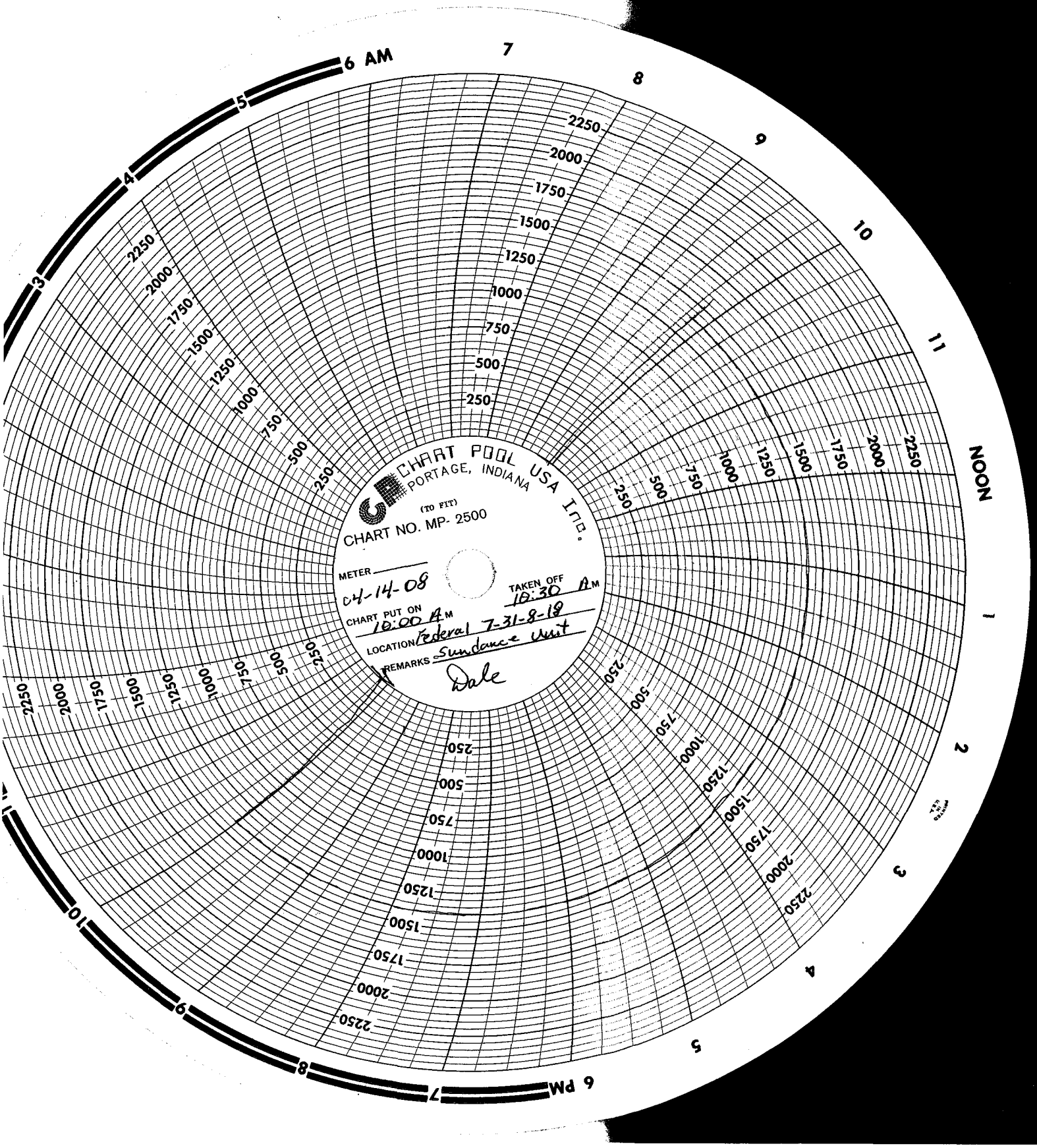


CHART POOL USA Inc.
PORTAGE, INDIANA
(TO FIT)
CHART NO. MP- 2500
METER
04-14-08
TAKEN OFF
10:30 AM
CHART PUT ON
10:00 AM
LOCATION Federal 7-31-8-18
REMARKS Sundance Unit
Dale
6 AM
NOON
6 PM
250
500
750
1000
1250
1500
1750
2000
2250

FORM 3160-5
(September 2001)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0135
Expires January 31,2004

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other Instructions on reverse side

5. Lease Serial No.
USA UTU-74872

6. If Indian, Allottee or Tribe Name.

7. If Unit or CA/Agreement, Name and/or
SUNDANCE UNIT

1. Type of Well
☒ Oil Well ☐ Gas Well ☑ Other WI

8. Well Name and No.
FEDERAL 7-31-8-18

2. Name of Operator
NEWFIELD PRODUCTION COMPANY

9. API Well No.
4304734500

3a. Address Route 3 Box 3630
Myton, UT 84052

3b. Phone *(include are code)*
435.646.3721

10. Field and Pool, or Exploratory Area
MONUMENT BUTTE

4. Location of Well *(Footage, Sec., T., R., M., or Survey Description)*
2046 FNL 1878 FEL

SWNE Section 31 T8S R18E

11. County or Parish, State
UINTAH, UT

12. CHECK APPROPRIATE BOX(ES) TO INIDICATE NATURE OF NOTICE, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☐ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production(Start/Resume)	☐ Water Shut-Off
☑ Subsequent Report	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other Step Rate Test
	☐ Change Plans	☐ Plug & Abandon	☐ Temporarily Abandon	
	☐ Convert to	☐ Plug Back	☐ Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. *Required subsequent reports* shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

A step rate test was conducted on the subject well on April 30, 2008. Results from the test indicate that the fracture gradient is .697 psi/ft. Therefore, Newfield is requesting that the maximum allowable injection pressure (MAIP) be changed to 1155 psi.

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY

I hereby certify that the foregoing is true and correct *(Printed/ Typed)*
Chevenne Bateman

Title
Well Analyst Foreman

Signature

Date
05/05/2008

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by ..... Title ..... Date .....

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious and fraudulent statements or representations as to any matter within its jurisdiction

(Instructions on reverse)

RECEIVED
MAY 12 2008
DIV. OF OIL, GAS & MINING

Step Rate Test (SRT) Analysis

Date: 05/05/2008

Operator: **Newfield Production Company**

Well: **Federal 7-31-8-18**

Permit #: **UT21023-06976**

Enter the following data :

Specific Gravity (sg) of injectate =	**1.015**	*g/cc*	
Depth to top perforation (D) =	**4498**	*feet*	4498
Top of permitted injection zone depth (blank=use top perforation to calculate fg) =		*feet*	
Estimated Formation Parting Pressure (Pfp) from SRT chart =	**1160**	*psi*	
Instantaneous Shut In Pressure (ISIP) from SRT =	**1218**	*psi*	1160
Bottom Hole Parting Pressure (Pbhp) from downhole pressure recorder =		*psi*	no downhole

Part One - Calculation of Fracture Gradient (fg)

Calculated Fracture Gradient = **0.697** *psi/ft.*

where: fg = Pbhp / D (Note: this formula uses the downhole recorded bottom hole parting pressure if available) = 1218

D = depth used = 4498 *Pbhp used = 3137*

Calculated Bottom Hole Parting Pressure (Pbhp) = **3137** *psi* 3136.849

*to calculate Bottom Hole Parting Pressure (Pbhp) = Formation Fracture Pressure (ISIP or Pfp) + (0.433 * SG * D)*

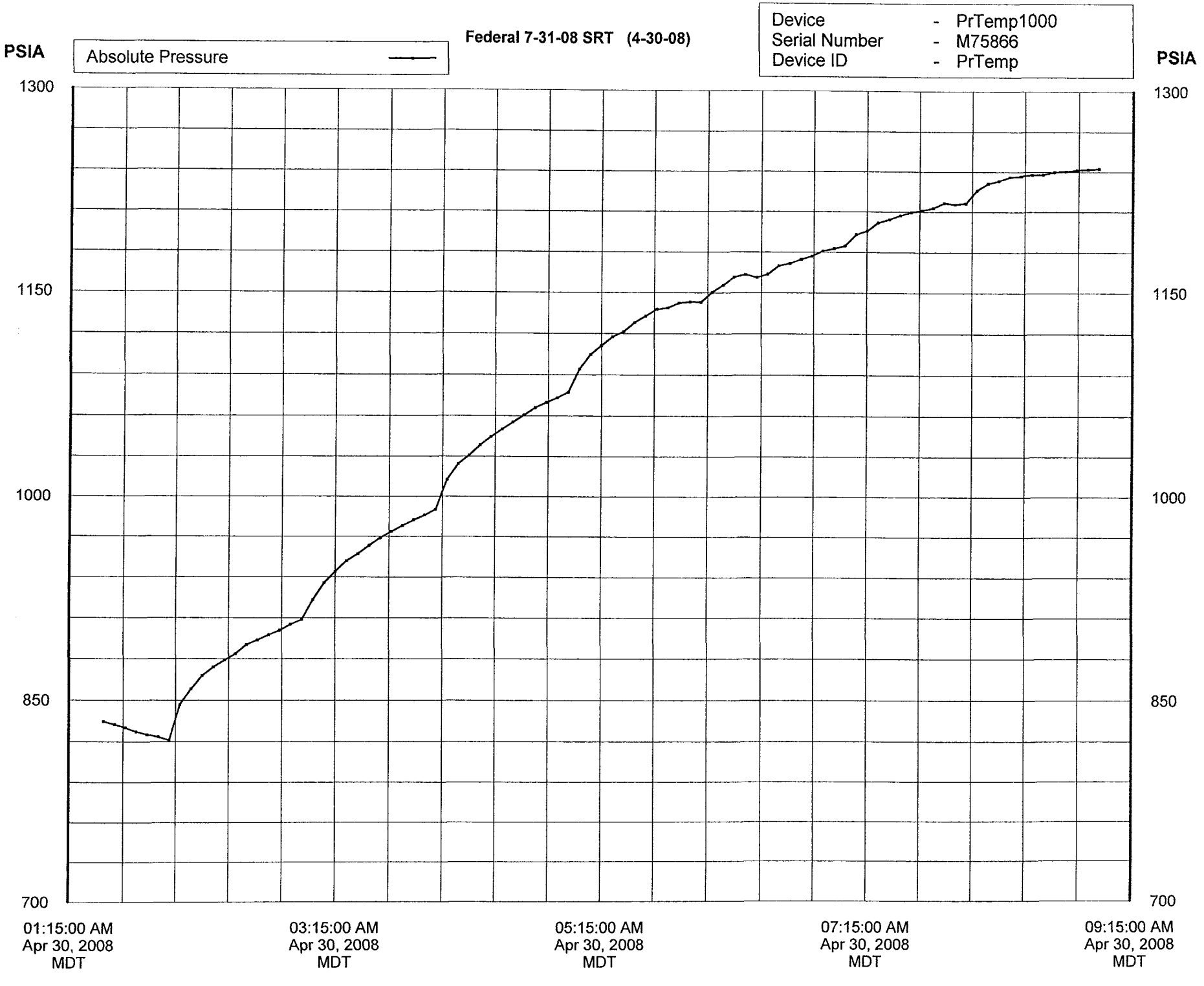
(Uses lesser of ISIP or Pfp) Value used = 1160

Part Two - Calculation of Maximum Allowable Injection Pressure (MAIP)

Maximum Allowable Injection Pressure (MAIP) = **1155** *psig*

(rounded down to nearest 5 psig)

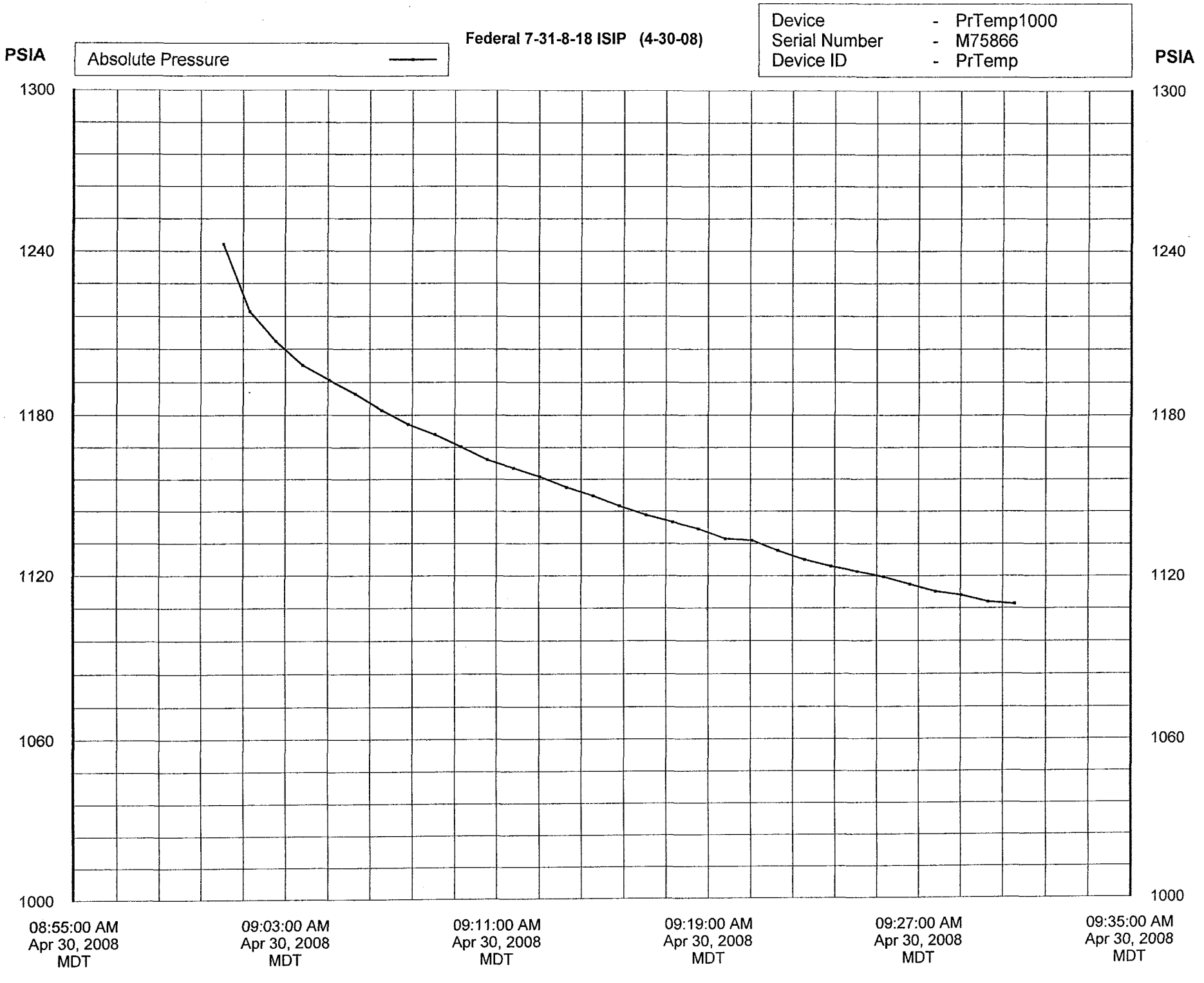
D = depth used = 4498 *MAIP = [fg - (0.433 * SG)] * D = 1158.257*


Federal 7-31-08 SRT (4-30-08)
Device - PrTemp1000
Serial Number - M75866
Device ID - PrTemp
PSIA
Absolute Pressure
PSIA
1300
1150
1000
850
700
01:15:00 AM Apr 30, 2008 MDT
03:15:00 AM Apr 30, 2008 MDT
05:15:00 AM Apr 30, 2008 MDT
07:15:00 AM Apr 30, 2008 MDT
09:15:00 AM Apr 30, 2008 MDT

Report Name:	PrTemp1000 Data Table
Report Date:	May 05, 2008 03:05:35 PM MDT
File Name:	S:\Welinfo\PTC® Instruments 2.00\Federal 7-31-8-18 SRT (4-30-08).csv
Title:	Federal 7-31-08 SRT (4-30-08)
Device:	PrTemp1000 - Temperature and Pressure Recorder
Hardware Revision:	REV2C (64K)
Serial Number:	M75866
Device ID:	PrTemp
Data Start Date:	Apr 30, 2008 01:30:01 AM MDT
Data End Date:	Apr 30, 2008 09:00:01 AM MDT
Reading Rate:	1 Minute
Readings:	1 to 91 of 91
Last Calibration Date:	Dec 19, 2007
Next Calibration Date:	Dec 19, 2008

Reading	Date and Time (MDT)	Absolute Pressure	Annotation
1	Apr 30, 2008 01:30:01 AM	834.800 PSIA	
2	Apr 30, 2008 01:35:00 AM	832.600 PSIA	
3	Apr 30, 2008 01:40:01 AM	830.200 PSIA	
4	Apr 30, 2008 01:45:00 AM	827.400 PSIA	
5	Apr 30, 2008 01:50:01 AM	825.200 PSIA	
6	Apr 30, 2008 01:55:00 AM	823.600 PSIA	
7	Apr 30, 2008 02:00:01 AM	821.200 PSIA	
8	Apr 30, 2008 02:05:01 AM	847.000 PSIA	
9	Apr 30, 2008 02:10:01 AM	858.200 PSIA	
10	Apr 30, 2008 02:15:01 AM	867.800 PSIA	
11	Apr 30, 2008 02:20:00 AM	874.000 PSIA	
12	Apr 30, 2008 02:25:01 AM	879.000 PSIA	
13	Apr 30, 2008 02:30:00 AM	883.600 PSIA	
14	Apr 30, 2008 02:35:01 AM	890.200 PSIA	
15	Apr 30, 2008 02:40:02 AM	893.800 PSIA	
16	Apr 30, 2008 02:45:01 AM	897.400 PSIA	
17	Apr 30, 2008 02:50:01 AM	900.800 PSIA	
18	Apr 30, 2008 02:55:01 AM	905.200 PSIA	
19	Apr 30, 2008 03:00:01 AM	908.600 PSIA	
20	Apr 30, 2008 03:05:00 AM	923.200 PSIA	
21	Apr 30, 2008 03:10:01 AM	935.600 PSIA	
22	Apr 30, 2008 03:15:00 AM	944.000 PSIA	
23	Apr 30, 2008 03:20:01 AM	952.000 PSIA	
24	Apr 30, 2008 03:25:00 AM	957.200 PSIA	
25	Apr 30, 2008 03:30:01 AM	963.400 PSIA	
26	Apr 30, 2008 03:35:01 AM	969.000 PSIA	
27	Apr 30, 2008 03:40:01 AM	973.800 PSIA	
28	Apr 30, 2008 03:45:01 AM	978.200 PSIA	
29	Apr 30, 2008 03:50:00 AM	982.400 PSIA	
30	Apr 30, 2008 03:55:01 AM	986.000 PSIA	
31	Apr 30, 2008 04:00:00 AM	990.400 PSIA	
32	Apr 30, 2008 04:05:01 AM	1012.600 PSIA	
33	Apr 30, 2008 04:10:00 AM	1024.400 PSIA	
34	Apr 30, 2008 04:15:01 AM	1030.800 PSIA	
35	Apr 30, 2008 04:20:01 AM	1038.400 PSIA	
36	Apr 30, 2008 04:25:01 AM	1044.600 PSIA	
37	Apr 30, 2008 04:30:01 AM	1050.200 PSIA	
38	Apr 30, 2008 04:35:00 AM	1055.400 PSIA	
39	Apr 30, 2008 04:40:01 AM	1060.600 PSIA	
40	Apr 30, 2008 04:45:00 AM	1066.000 PSIA	
41	Apr 30, 2008 04:50:01 AM	1069.800 PSIA	
42	Apr 30, 2008 04:55:00 AM	1073.200 PSIA	
43	Apr 30, 2008 05:00:01 AM	1077.400 PSIA	
44	Apr 30, 2008 05:05:01 AM	1094.200 PSIA	
45	Apr 30, 2008 05:10:01 AM	1104.800 PSIA	
46	Apr 30, 2008 05:15:01 AM	1111.200 PSIA	
47	Apr 30, 2008 05:20:00 AM	1117.600 PSIA	
48	Apr 30, 2008 05:25:01 AM	1121.400 PSIA	
49	Apr 30, 2008 05:30:00 AM	1128.000 PSIA	
50	Apr 30, 2008 05:35:01 AM	1132.800 PSIA	
51	Apr 30, 2008 05:40:00 AM	1137.800 PSIA	
52	Apr 30, 2008 05:45:01 AM	1138.800 PSIA	
53	Apr 30, 2008 05:50:01 AM	1142.400 PSIA	
54	Apr 30, 2008 05:55:01 AM	1143.200 PSIA	
55	Apr 30, 2008 06:00:01 AM	1143.000 PSIA	
56	Apr 30, 2008 06:05:00 AM	1150.200 PSIA	
57	Apr 30, 2008 06:10:01 AM	1155.600 PSIA	
58	Apr 30, 2008 06:15:00 AM	1161.400 PSIA	
59	Apr 30, 2008 06:20:02 AM	1163.400 PSIA	
60	Apr 30, 2008 06:25:00 AM	1161.200 PSIA	

61	Apr 30, 2008 06:30:01 AM	1163.600	PSIA
62	Apr 30, 2008 06:35:01 AM	1169.800	PSIA
63	Apr 30, 2008 06:40:01 AM	1171.600	PSIA
64	Apr 30, 2008 06:45:01 AM	1174.600	PSIA
65	Apr 30, 2008 06:50:00 AM	1177.000	PSIA
66	Apr 30, 2008 06:55:01 AM	1181.000	PSIA
67	Apr 30, 2008 07:00:00 AM	1182.600	PSIA
68	Apr 30, 2008 07:05:01 AM	1184.800	PSIA
69	Apr 30, 2008 07:10:00 AM	1193.000	PSIA
70	Apr 30, 2008 07:15:01 AM	1195.800	PSIA
71	Apr 30, 2008 07:20:01 AM	1201.800	PSIA
72	Apr 30, 2008 07:25:01 AM	1204.200	PSIA
73	Apr 30, 2008 07:30:01 AM	1207.200	PSIA
74	Apr 30, 2008 07:35:00 AM	1209.600	PSIA
75	Apr 30, 2008 07:40:01 AM	1211.000	PSIA
76	Apr 30, 2008 07:45:00 AM	1212.800	PSIA
77	Apr 30, 2008 07:50:01 AM	1216.600	PSIA
78	Apr 30, 2008 07:55:00 AM	1215.600	PSIA
79	Apr 30, 2008 08:00:01 AM	1216.400	PSIA
80	Apr 30, 2008 08:05:01 AM	1226.000	PSIA
81	Apr 30, 2008 08:10:01 AM	1231.200	PSIA
82	Apr 30, 2008 08:15:01 AM	1233.200	PSIA
83	Apr 30, 2008 08:20:00 AM	1236.000	PSIA
84	Apr 30, 2008 08:25:01 AM	1236.800	PSIA
85	Apr 30, 2008 08:30:00 AM	1237.800	PSIA
86	Apr 30, 2008 08:35:01 AM	1238.000	PSIA
87	Apr 30, 2008 08:40:00 AM	1239.800	PSIA
88	Apr 30, 2008 08:45:01 AM	1240.400	PSIA
89	Apr 30, 2008 08:50:01 AM	1241.400	PSIA
90	Apr 30, 2008 08:55:01 AM	1241.800	PSIA
91	Apr 30, 2008 09:00:01 AM	1242.400	PSIA

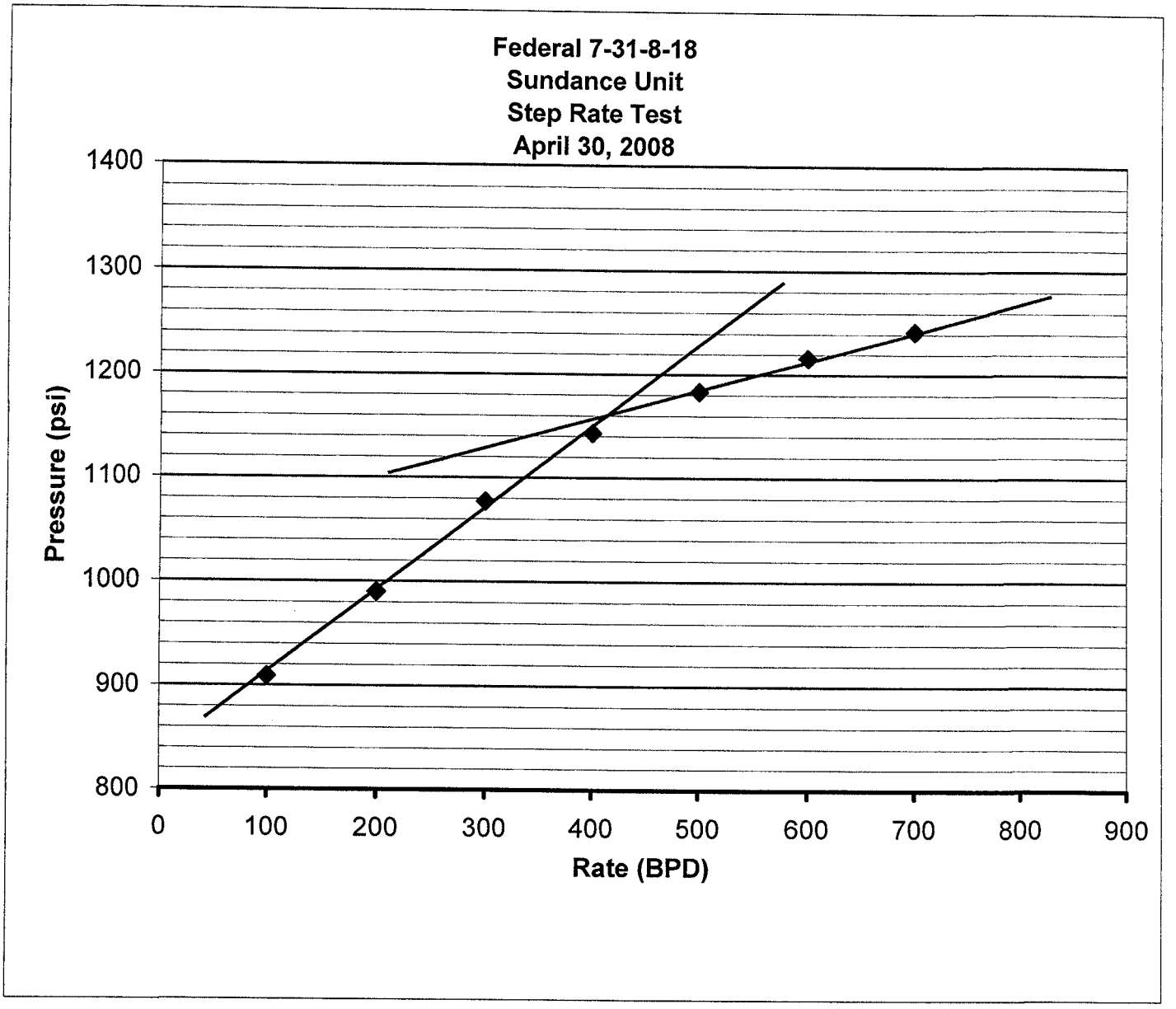

Federal 7-31-8-18 ISIP (4-30-08)
Device - PrTemp1000
Serial Number - M75866
Device ID - PrTemp
PSIA
Absolute Pressure
1300
1240
1180
1120
1060
1000
08:55:00 AM Apr 30, 2008 MDT
09:03:00 AM Apr 30, 2008 MDT
09:11:00 AM Apr 30, 2008 MDT
09:19:00 AM Apr 30, 2008 MDT
09:27:00 AM Apr 30, 2008 MDT
09:35:00 AM Apr 30, 2008 MDT

Report Name:	PrTemp1000 Data Table
Report Date:	May 05, 2008 03:05:13 PM MDT
File Name:	S:\Welinfo\PTC® Instruments 2.00\Federal 7-31-8-18 ISIP (4-30-08).csv
Title:	Federal 7-31-8-18 ISIP (4-30-08)
Device:	PrTemp1000 - Temperature and Pressure Recorder
Hardware Revision:	REV2C (64K)
Serial Number:	M75866
Device ID:	PrTemp
Data Start Date:	Apr 30, 2008 09:00:39 AM MDT
Data End Date:	Apr 30, 2008 09:30:39 AM MDT
Reading Rate:	1 Minute
Readings:	1 to 31 of 31
Last Calibration Date:	Dec 19, 2007
Next Calibration Date:	Dec 19, 2008

Reading	Date and Time (MDT)	Absolute Pressure	Annotation
1	Apr 30, 2008 09:00:39 AM	1242.600 PSIA	
2	Apr 30, 2008 09:01:39 AM	1217.800 PSIA	
3	Apr 30, 2008 09:02:38 AM	1207.000 PSIA	
4	Apr 30, 2008 09:03:39 AM	1198.200 PSIA	
5	Apr 30, 2008 09:04:39 AM	1192.800 PSIA	
6	Apr 30, 2008 09:05:38 AM	1187.800 PSIA	
7	Apr 30, 2008 09:06:39 AM	1181.800 PSIA	
8	Apr 30, 2008 09:07:39 AM	1176.600 PSIA	
9	Apr 30, 2008 09:08:39 AM	1172.800 PSIA	
10	Apr 30, 2008 09:09:39 AM	1168.200 PSIA	
11	Apr 30, 2008 09:10:39 AM	1163.400 PSIA	
12	Apr 30, 2008 09:11:39 AM	1160.200 PSIA	
13	Apr 30, 2008 09:12:38 AM	1157.000 PSIA	
14	Apr 30, 2008 09:13:39 AM	1153.000 PSIA	
15	Apr 30, 2008 09:14:39 AM	1149.800 PSIA	
16	Apr 30, 2008 09:15:38 AM	1146.000 PSIA	
17	Apr 30, 2008 09:16:39 AM	1142.600 PSIA	
18	Apr 30, 2008 09:17:39 AM	1140.000 PSIA	
19	Apr 30, 2008 09:18:38 AM	1137.400 PSIA	
20	Apr 30, 2008 09:19:39 AM	1133.800 PSIA	
21	Apr 30, 2008 09:20:39 AM	1133.200 PSIA	
22	Apr 30, 2008 09:21:38 AM	1129.400 PSIA	
23	Apr 30, 2008 09:22:39 AM	1126.000 PSIA	
24	Apr 30, 2008 09:23:39 AM	1123.600 PSIA	
25	Apr 30, 2008 09:24:39 AM	1121.600 PSIA	
26	Apr 30, 2008 09:25:39 AM	1119.600 PSIA	
27	Apr 30, 2008 09:26:39 AM	1116.800 PSIA	
28	Apr 30, 2008 09:27:39 AM	1114.200 PSIA	
29	Apr 30, 2008 09:28:38 AM	1112.800 PSIA	
30	Apr 30, 2008 09:29:39 AM	1110.400 PSIA	
31	Apr 30, 2008 09:30:39 AM	1109.600 PSIA	

Federal 7-31-8-18 Rate Sheet (4-30-08)

Step # 1	Time:	2:05	2:10	2:15	2:20	2:25	2:30
	Rate:	100.9	100.8	100.8	100.7	100.6	100.5
	Time:	2:35	2:40	2:45	2:50	2:55	3:00
	Rate:	100.5	100.5	100.4	100.3	100.3	100.1
Step # 2	Time:	3:05	3:10	3:15	3:20	3:25	3:30
	Rate:	201.2	201	200.9	200.9	200.9	200.8
	Time:	3:35	3:40	3:45	3:50	3:55	4:00
	Rate:	200.7	200.6	200.6	200.6	200.4	200.4
Step # 3	Time:	4:05	4:10	4:15	4:20	4:25	4:30
	Rate:	301.4	301.3	301.3	301.3	301.1	300.9
	Time:	4:35	4:40	4:45	4:50	4:55	5:00
	Rate:	300.9	300.7	300.7	300.7	300.3	300.3
Step # 4	Time:	5:05	5:10	5:15	5:20	5:25	5:30
	Rate:	400.6	400.6	400.5	400.5	400.5	400.4
	Time:	5:35	5:40	5:45	5:50	5:55	6:00
	Rate:	400.4	400.3	400.3	400.3	400.1	400.1
Step # 5	Time:	6:05	6:10	6:15	6:20	6:25	6:30
	Rate:	500.8	500.7	500.6	500.6	500.6	500.5
	Time:	6:35	6:40	6:45	6:50	6:55	7:00
	Rate:	500.4	500.4	500.3	500.2	500.1	500
Step # 6	Time:	7:05	7:10	7:15	7:20	7:25	7:30
	Rate:	601.1	601.1	600.9	600.9	600.7	600.6
	Time:	7:35	7:40	7:45	7:50	7:55	8:00
	Rate:	600.5	600.4	600.4	600.3	600.3	600.3
Step # 7	Time:	8:05	8:10	8:15	8:20	8:25	8:30
	Rate:	700.5	700.5	700.5	700.4	700.4	700.4
	Time:	8:35	8:40	8:45	8:50	8:55	9:00
	Rate:	700.4	700.3	700.3	700.1	700.1	700
Step # 8	Time:						
	Rate:						
	Time:						
	Rate:						



Start Pressure:	821	psi
Instantaneous Shut In Pressure (ISIP):	1218	psi
Top Perforation:	4498	feet
Fracture pressure (Pfp):	1160	psi
FG:	0.697	psi/ft

Step	Rate(bpd)	Pressure(psi)
1	100	909
2	200	990
3	300	1077
4	400	1143
5	500	1183
6	600	1216
7	700	1242

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 8
1595 Wynkoop Street
Denver, CO 80202-1129
Phone 800-227-8917
http://www.epa.gov/region08

FEB 04 2009

Ref: 8P-W-GW

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY

Michael Guinn
District Manager
Newfield Production Company
Route 3-Box 3630
Myton, UT 84502

8S 18E 31

RE: **Authorization to Continue Injection**
EPA UIC Permit UT21023-06976
Well: Federal 7-31-8-18
Uintah County, Utah
API # 43-047-34500

Dear Mr. Guinn:

The Region 8 Ground Water Program office of the Environmental Protection Agency (EPA) received the results from the January 13, 2009 Radioactive Tracer Survey (RTS) used to demonstrate Part II (External) Mechanical Integrity (MI) in the Federal 7-31-8-18 Class II underground injection well. The results of the RTS were reviewed and approved on January 29, 2009, and the EPA has determined that the test adequately demonstrated Part II MI; that injected fluids will remain in the authorized injection interval at or below the Maximum Authorized Injection Pressure (MAIP) of **1,155 psig**.

The EPA hereby authorizes continued injection into Federal 7-31-8-18 under the terms and conditions of EPA UIC Permit UT21023-06976 at an **MAIP of 1,155 psig.**

You may apply for a higher maximum allowable injection pressure at a later date. Your application should be accompanied by the interpreted results from a Step-Rate Test (SRT) that measures the formation fracture pressure and the fracture gradient at this location. A current copy of EPA Guidelines for running and interpreting a SRT will be sent upon request. Should the SRT result in approval of a higher maximum allowable injection pressure, a new Part II MI demonstration must be run to show that the injected fluids will remain in the authorized injection interval at the higher pressure. Please note that to use a pressure greater than the **MAIP of 1,155 psig** during a SRT and RTS, you must first receive prior written authorization from the Director.

RECEIVED
FEB 09 2009
DIV. OF OIL, GAS & MINING

As of this approval, responsibility for Permit Compliance and Enforcement is transferred to Region 8 UIC Technical Enforcement Program office. Therefore, please direct all future notification, reporting, monitoring and compliance correspondence to the following address, referencing your well name and UIC Permit number on all correspondence regarding this well:

US EPA, Region 8
Attn: Nathan Wiser
MC 8ENF-UFO
1595 Wynkoop Street
Denver, CO 80202

Please be reminded that it is your responsibility to be aware of and to comply with all conditions of your Permit. If you have any questions regarding this approval, please call Jason Deardorff at 800-227-8917 (ext. 312-6583). For questions regarding notification, testing, monitoring, reporting or other Permit requirements, Nathan Wiser of the UIC Technical Enforcement Program may be reached by calling 800-227-8917 (ext. 312-6211).

Sincerely,

for Eddie A. Sierra
Acting Assistant Regional Administrator
Office of Partnerships and Regulatory Assistance

cc:

Uintah & Ouray Business Committee:
Curtis Cesspooch, Chairman
Ronald Groves, Councilman
Irene Cuch, Vice-Chairwoman
Steven Cesspooch, Councilman
Phillip Chimburas, Councilman
Frances Poowegup, Councilwoman

Daniel Picard
BIA - Uintah & Ouray Indian Agency

All Enclosures:

Ferron Secakuku
Director, Natural Resources
Ute Indian Tribe

Larry Love
Director of Energy & Minerals Dept.
Ute Indian Tribe

Gil Hunt
Associate Director
Utah Division of Oil, Gas, and Mining

Fluid Minerals Engineering Office
BLM - Vernal Office

Eric Sundberg
Regulatory Analyst
Newfield Exploration Company

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5. LEASE DESIGNATION AND SERIAL NUMBER:	USA UTU-74872
6. IF INDIAN, ALLOTTEE OR TRIBE NAME:	
7. UNIT or CA AGREEMENT NAME:	GMBU
1. TYPE OF WELL: OIL WELL [X] GAS WELL [ ] OTHER	8. WELL NAME and NUMBER: FEDERAL 7-31-8-18
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY	9. API NUMBER: 4304734500
3. ADDRESS OF OPERATOR: Route 3 Box 3630 CITY Myton STATE UT ZIP 84052 PHONE NUMBER 435.646.3721	10. FIELD AND POOL, OR WILDCAT: GREATER MB UNIT
4. LOCATION OF WELL: FOOTAGES AT SURFACE: 2046 FNL 1878 FEL	COUNTY: UINTAH
OTR/OTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWNE, 31, T8S, R18E	STATE: UT

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
[ ] NOTICE OF INTENT (Submit in Duplicate)	[ ] ACIDIZE	[ ] DEEPEN	[ ] REPERFORATE CURRENT FORMATION
Approximate date work will	[ ] ALTER CASING	[ ] FRACTURE TREAT	[ ] SIDETRACK TO REPAIR WELL
	[ ] CASING REPAIR	[ ] NEW CONSTRUCTION	[ ] TEMPORARITLY ABANDON
	[ ] CHANGE TO PREVIOUS PLANS	[ ] OPERATOR CHANGE	[ ] TUBING REPAIR
	[ ] CHANGE TUBING	[ ] PLUG AND ABANDON	[ ] VENT OR FLAIR
[X] SUBSEQUENT REPORT (Submit Original Form Only)	[ ] CHANGE WELL NAME	[ ] PLUG BACK	[ ] WATER DISPOSAL
Date of Work Completion:	[ ] CHANGE WELL STATUS	[ ] PRODUCTION (START/STOP)	[ ] WATER SHUT-OFF
12/01/2010	[ ] COMMINGLE PRODUCING FORMATIONS	[ ] RECLAMATION OF WELL SITE	[X] OTHER: - Step Rate Test
	[ ] CONVERT WELL TYPE	[ ] RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

A step rate test was conducted on the subject well on December 1,2010. Results from the test indicate that the fracture gradient is 0.754 psi/ft. Therefore, Newfield is requesting that the maximum allowable injection pressure (MAIP) be changed from 1155 psi to 1410 psi.

EPA: UT21023-06976 API: 43-047-34500

Accepted by the Utah Division of Oil, Gas and Mining

FOR RECORD ONLY

NAME (PLEASE PRINT) Lucy Chavez-Naupoto TITLE Administrative Assistant

SIGNATURE [signature] DATE 01/04/2011

(This space for State use only)

RECEIVED
JAN 06 2011
DIV. OF OIL, GAS & MINING

Step Rate Test (SRT) Analysis

Date: 12/06/2010

Operator: **Newfield Production Company**

Well: **Federal 7-31-8-18**

Permit #: **UT21023-06976**

Enter the following data :

Specific Gravity (sg) of injectate =	**1.015**	*g/cc*	
Depth to top perforation (D) =	**4498**	*feet*	4498
Top of permitted injection zone depth (blank=use top perforation to calculate fg) =		*feet*	
Estimated Formation Parting Pressure (Pfp) from SRT chart =	**1415**	*psi*	
Instantaneous Shut In Pressure (ISIP) from SRT =	**1469**	*psi*	1415
Bottom Hole Parting Pressure (Pbhp) from downhole pressure recorder =		*psi*	no downhole

Part One - Calculation of Fracture Gradient (fg)

Calculated Fracture Gradient = **0.754** *psi/ft.*

where: fg = Pbhp / D (Note: this formula uses the downhole recorded bottom hole parting pressure if available) = 1469

D = depth used = 4498 *Pbhp used = 3392*

Calculated Bottom Hole Parting Pressure (Pbhp) = **3392** *psi* 3391.849

*to calculate Bottom Hole Parting Pressure (Pbhp) = Formation Fracture Pressure (ISIP or Pfp) + (0.433 * SG * D)*

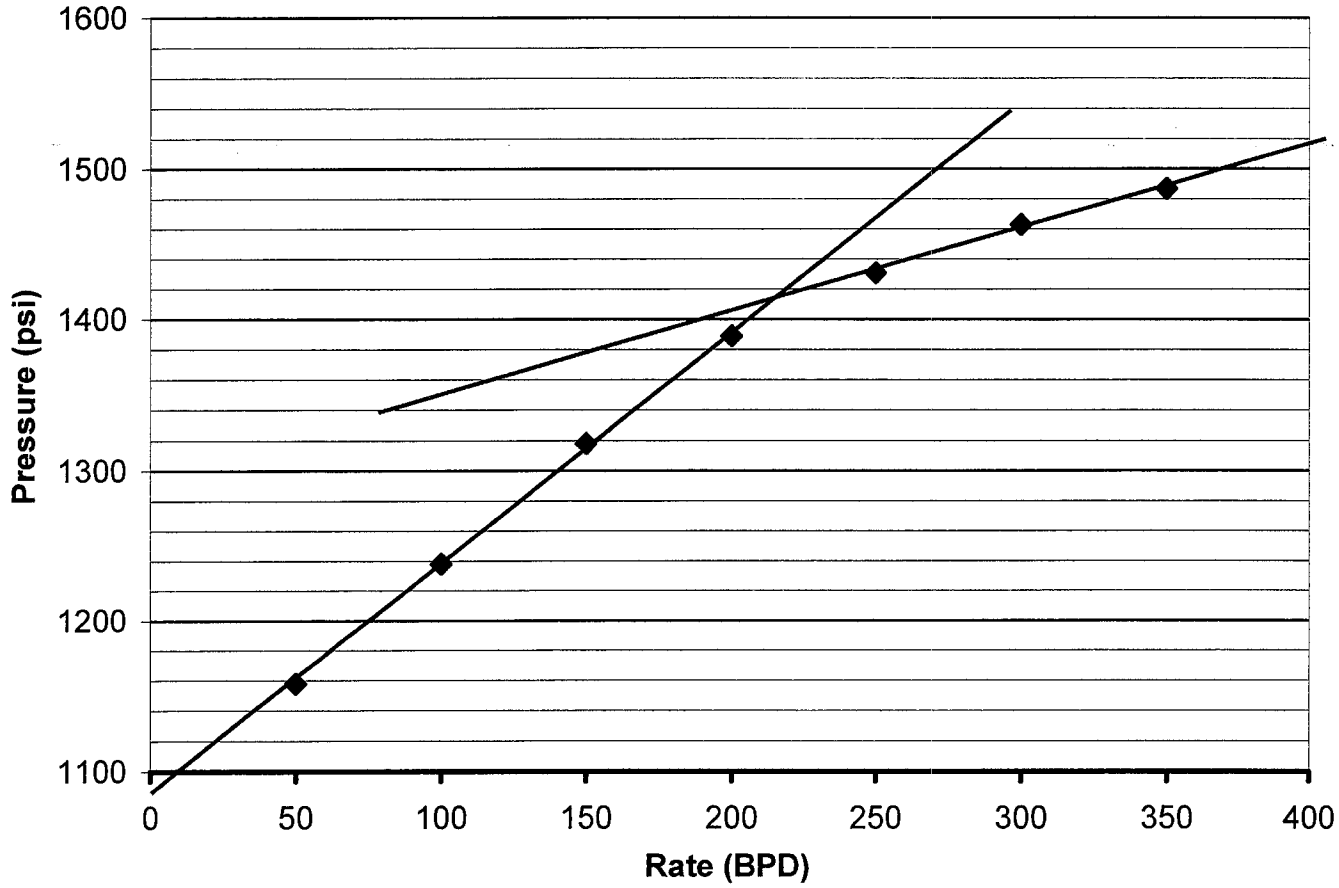
(Uses lesser of ISIP or Pfp) Value used = 1415

Part Two - Calculation of Maximum Allowable Injection Pressure (MAIP)

Maximum Allowable Injection Pressure (MAIP) = **1410** *psig*

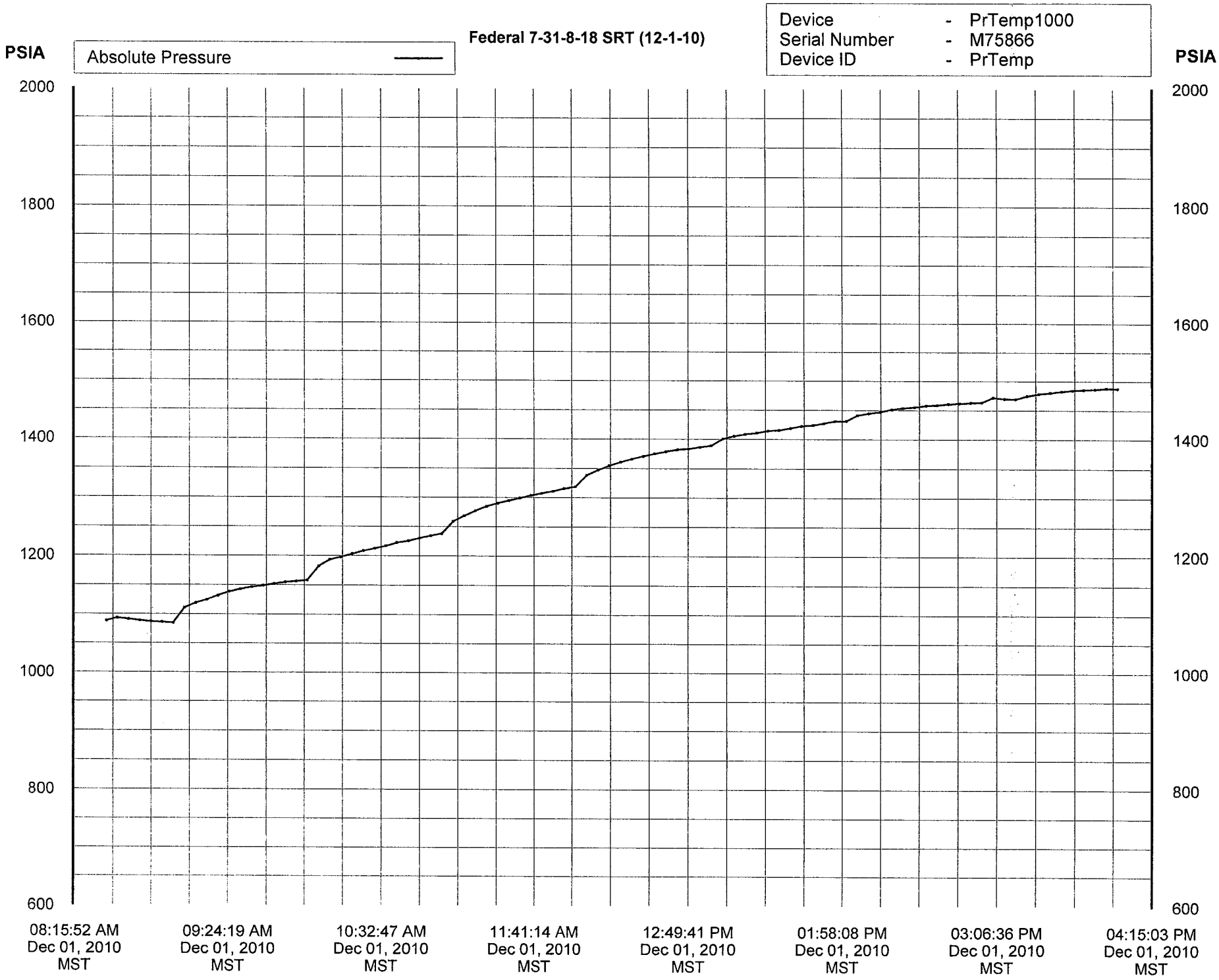
D = depth used = 4498 *MAIP = [fg - (0.433 * SG)] * D = 1414.643* *(rounded down to nearest 5 psig)*

Federal 7-31-8-18
Greater Monument Butte Unit
Step Rate Test
December 1, 2010



Start Pressure:	1084	psi
Instantaneous Shut In Pressure (ISIP):	1469	psi
Top Perforation:	4498	feet
Fracture pressure (Pfp):	1415	psi
FG:	0.754	psi/ft

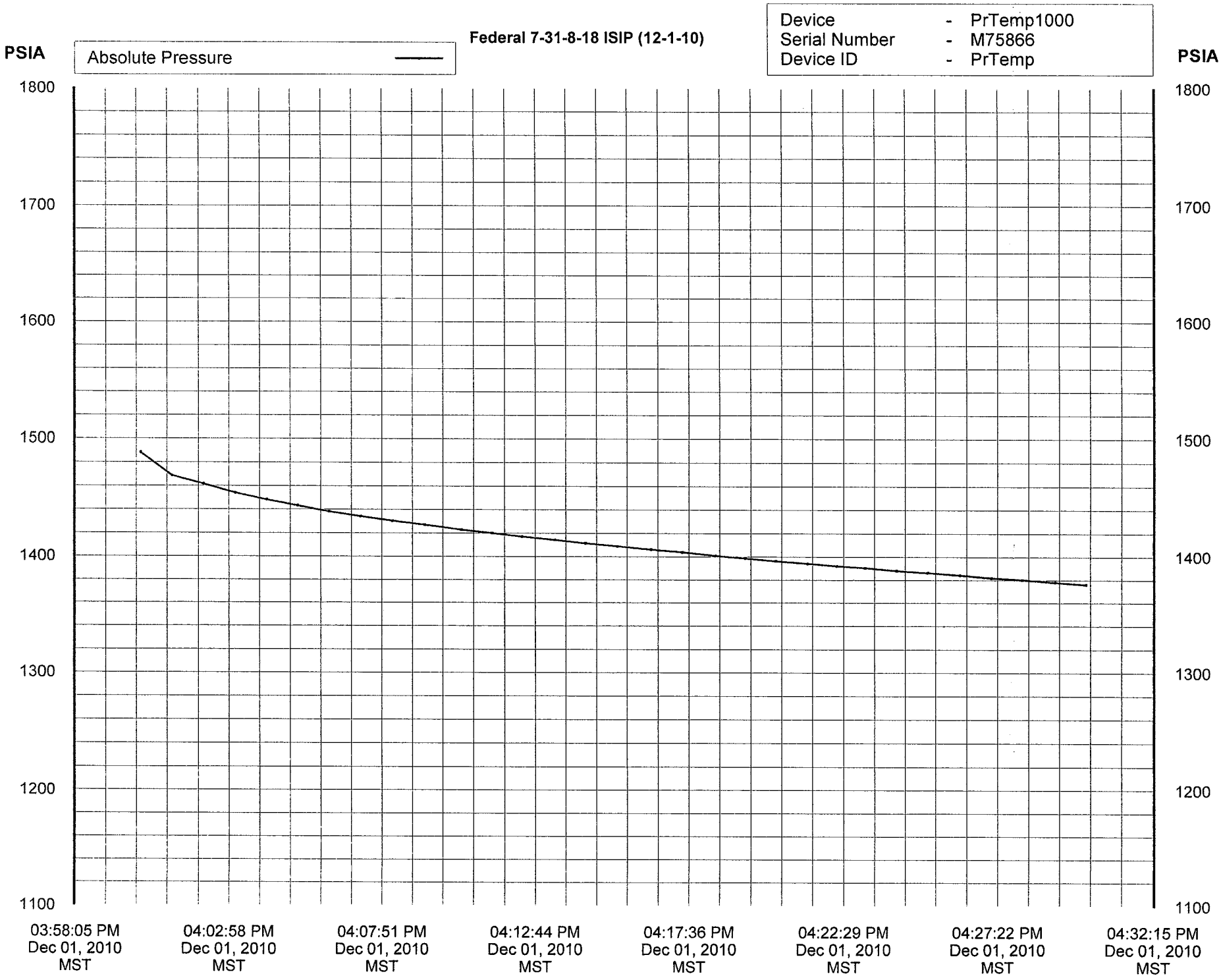
Step	Rate(bpd)	Pressure(psi)
1	50	1158
2	100	1238
3	150	1318
4	200	1389
5	250	1431
6	300	1463
7	350	1487


Federal 7-31-8-18 SRT (12-1-10)
Device - PrTemp1000
Serial Number - M75866
Device ID - PrTemp
PSIA
Absolute Pressure
2000
1800
1600
1400
1200
1000
800
600
08:15:52 AM Dec 01, 2010 MST
09:24:19 AM Dec 01, 2010 MST
10:32:47 AM Dec 01, 2010 MST
11:41:14 AM Dec 01, 2010 MST
12:49:41 PM Dec 01, 2010 MST
01:58:08 PM Dec 01, 2010 MST
03:06:36 PM Dec 01, 2010 MST
04:15:03 PM Dec 01, 2010 MST

Report Name:	PrTemp1000 Data Table
Report Date:	Dec 06, 2010 07:36:20 AM MST
File Name:	C:\Program Files\PTC® Instruments 2.00\Federal 7-31-8-18 SRT (12-1-10).csv
Title:	Federal 7-31-8-18 SRT (12-1-10)
Device:	PrTemp1000 - Temperature and Pressure Recorder
Hardware Revision:	REV2C (64K)
Serial Number:	M75866
Device ID:	PrTemp
Data Start Date:	Dec 01, 2010 08:29:57 AM MST
Data End Date:	Dec 01, 2010 03:59:57 PM MST
Reading Rate:	2 Seconds
Readings:	1 to 91 of 91
Last Calibration Date:	May 22, 2009
Next Calibration Date:	May 22, 2010

Reading	Date and Time (MST)	Absolute Pressure	Annotation
1	Dec 01, 2010 08:29:57 AM	1088.200 PSIA	
2	Dec 01, 2010 08:34:57 AM	1093.000 PSIA	
3	Dec 01, 2010 08:39:57 AM	1090.800 PSIA	
4	Dec 01, 2010 08:44:57 AM	1088.600 PSIA	
5	Dec 01, 2010 08:49:57 AM	1087.000 PSIA	
6	Dec 01, 2010 08:54:57 AM	1086.000 PSIA	
7	Dec 01, 2010 08:59:59 AM	1084.400 PSIA	
8	Dec 01, 2010 09:04:57 AM	1110.600 PSIA	
9	Dec 01, 2010 09:09:58 AM	1118.800 PSIA	
10	Dec 01, 2010 09:14:57 AM	1124.800 PSIA	
11	Dec 01, 2010 09:19:57 AM	1131.800 PSIA	
12	Dec 01, 2010 09:24:57 AM	1138.200 PSIA	
13	Dec 01, 2010 09:29:57 AM	1142.600 PSIA	
14	Dec 01, 2010 09:34:57 AM	1146.200 PSIA	
15	Dec 01, 2010 09:39:57 AM	1148.800 PSIA	
16	Dec 01, 2010 09:44:58 AM	1151.600 PSIA	
17	Dec 01, 2010 09:49:58 AM	1154.400 PSIA	
18	Dec 01, 2010 09:54:58 AM	1155.800 PSIA	
19	Dec 01, 2010 09:59:57 AM	1158.000 PSIA	
20	Dec 01, 2010 10:04:57 AM	1181.800 PSIA	
21	Dec 01, 2010 10:09:57 AM	1193.200 PSIA	
22	Dec 01, 2010 10:14:57 AM	1197.600 PSIA	
23	Dec 01, 2010 10:19:57 AM	1202.800 PSIA	
24	Dec 01, 2010 10:24:57 AM	1208.200 PSIA	
25	Dec 01, 2010 10:29:58 AM	1212.200 PSIA	
26	Dec 01, 2010 10:34:57 AM	1216.800 PSIA	
27	Dec 01, 2010 10:39:58 AM	1222.400 PSIA	
28	Dec 01, 2010 10:44:57 AM	1225.600 PSIA	
29	Dec 01, 2010 10:49:57 AM	1230.000 PSIA	
30	Dec 01, 2010 10:54:57 AM	1234.400 PSIA	
31	Dec 01, 2010 10:59:57 AM	1238.000 PSIA	
32	Dec 01, 2010 11:04:57 AM	1258.600 PSIA	
33	Dec 01, 2010 11:09:57 AM	1268.600 PSIA	
34	Dec 01, 2010 11:14:58 AM	1277.400 PSIA	
35	Dec 01, 2010 11:19:57 AM	1284.800 PSIA	
36	Dec 01, 2010 11:24:58 AM	1290.200 PSIA	
37	Dec 01, 2010 11:29:57 AM	1294.800 PSIA	
38	Dec 01, 2010 11:34:57 AM	1299.000 PSIA	
39	Dec 01, 2010 11:39:57 AM	1303.400 PSIA	
40	Dec 01, 2010 11:44:57 AM	1307.000 PSIA	
41	Dec 01, 2010 11:49:57 AM	1310.800 PSIA	
42	Dec 01, 2010 11:54:57 AM	1315.400 PSIA	
43	Dec 01, 2010 11:59:58 AM	1318.400 PSIA	
44	Dec 01, 2010 12:04:57 PM	1338.200 PSIA	
45	Dec 01, 2010 12:09:58 PM	1347.200 PSIA	
46	Dec 01, 2010 12:14:57 PM	1354.600 PSIA	
47	Dec 01, 2010 12:19:57 PM	1360.800 PSIA	
48	Dec 01, 2010 12:24:57 PM	1366.000 PSIA	
49	Dec 01, 2010 12:29:57 PM	1370.600 PSIA	
50	Dec 01, 2010 12:34:57 PM	1375.000 PSIA	
51	Dec 01, 2010 12:39:58 PM	1378.800 PSIA	
52	Dec 01, 2010 12:44:58 PM	1381.800 PSIA	
53	Dec 01, 2010 12:49:57 PM	1383.400 PSIA	
54	Dec 01, 2010 12:55:02 PM	1386.200 PSIA	
55	Dec 01, 2010 12:59:57 PM	1388.800 PSIA	
56	Dec 01, 2010 01:05:11 PM	1400.600 PSIA	
57	Dec 01, 2010 01:09:58 PM	1405.000 PSIA	
58	Dec 01, 2010 01:14:57 PM	1408.400 PSIA	
59	Dec 01, 2010 01:20:00 PM	1410.800 PSIA	
60	Dec 01, 2010 01:25:03 PM	1414.200 PSIA	

61	Dec 01, 2010 01:29:58 PM	1415.400	PSIA
62	Dec 01, 2010 01:35:05 PM	1418.800	PSIA
63	Dec 01, 2010 01:39:59 PM	1422.400	PSIA
64	Dec 01, 2010 01:45:05 PM	1424.000	PSIA
65	Dec 01, 2010 01:50:01 PM	1427.200	PSIA
66	Dec 01, 2010 01:54:58 PM	1431.000	PSIA
67	Dec 01, 2010 02:00:03 PM	1431.400	PSIA
68	Dec 01, 2010 02:04:57 PM	1441.000	PSIA
69	Dec 01, 2010 02:09:59 PM	1444.400	PSIA
70	Dec 01, 2010 02:15:05 PM	1447.200	PSIA
71	Dec 01, 2010 02:20:02 PM	1451.200	PSIA
72	Dec 01, 2010 02:25:06 PM	1453.600	PSIA
73	Dec 01, 2010 02:30:15 PM	1455.200	PSIA
74	Dec 01, 2010 02:35:24 PM	1458.000	PSIA
75	Dec 01, 2010 02:40:19 PM	1458.800	PSIA
76	Dec 01, 2010 02:45:15 PM	1460.800	PSIA
77	Dec 01, 2010 02:50:09 PM	1461.600	PSIA
78	Dec 01, 2010 02:55:11 PM	1462.800	PSIA
79	Dec 01, 2010 02:59:58 PM	1463.400	PSIA
80	Dec 01, 2010 03:04:57 PM	1472.000	PSIA
81	Dec 01, 2010 03:09:58 PM	1469.800	PSIA
82	Dec 01, 2010 03:14:57 PM	1469.200	PSIA
83	Dec 01, 2010 03:19:59 PM	1475.000	PSIA
84	Dec 01, 2010 03:25:07 PM	1478.400	PSIA
85	Dec 01, 2010 03:30:10 PM	1480.400	PSIA
86	Dec 01, 2010 03:35:17 PM	1482.600	PSIA
87	Dec 01, 2010 03:39:57 PM	1484.400	PSIA
88	Dec 01, 2010 03:44:58 PM	1485.400	PSIA
89	Dec 01, 2010 03:50:01 PM	1486.400	PSIA
90	Dec 01, 2010 03:54:58 PM	1488.000	PSIA
91	Dec 01, 2010 03:59:57 PM	1487.400	PSIA


Federal 7-31-8-18 ISIP (12-1-10)
Absolute Pressure
Device - PrTemp1000
Serial Number - M75866
Device ID - PrTemp
PSIA
PSIA
1800
1700
1600
1500
1400
1300
1200
1100
03:58:05 PM Dec 01, 2010 MST
04:02:58 PM Dec 01, 2010 MST
04:07:51 PM Dec 01, 2010 MST
04:12:44 PM Dec 01, 2010 MST
04:17:36 PM Dec 01, 2010 MST
04:22:29 PM Dec 01, 2010 MST
04:27:22 PM Dec 01, 2010 MST
04:32:15 PM Dec 01, 2010 MST

Report Name:	PrTemp1000 Data Table
Report Date:	Dec 06, 2010 07:36:12 AM MST
File Name:	C:\Program Files\PTC® Instruments 2.00\Federal 7-31-8-18 ISIP (12-1-10).csv
Title:	Federal 7-31-8-18 ISIP (12-1-10)
Device:	PrTemp1000 - Temperature and Pressure Recorder
Hardware Revision:	REV2C (64K)
Serial Number:	M75866
Device ID:	PrTemp
Data Start Date:	Dec 01, 2010 04:00:10 PM MST
Data End Date:	Dec 01, 2010 04:30:10 PM MST
Reading Rate:	2 Seconds
Readings:	1 to 31 of 31
Last Calibration Date:	May 22, 2009
Next Calibration Date:	May 22, 2010

Reading	Date and Time (MST)	Absolute Pressure	Annotation
1	Dec 01, 2010 04:00:10 PM	1488.200 PSIA	
2	Dec 01, 2010 04:01:10 PM	1468.600 PSIA	
3	Dec 01, 2010 04:02:09 PM	1461.600 PSIA	
4	Dec 01, 2010 04:03:10 PM	1454.000 PSIA	
5	Dec 01, 2010 04:04:10 PM	1448.200 PSIA	
6	Dec 01, 2010 04:05:09 PM	1443.200 PSIA	
7	Dec 01, 2010 04:06:10 PM	1438.200 PSIA	
8	Dec 01, 2010 04:07:10 PM	1434.200 PSIA	
9	Dec 01, 2010 04:08:11 PM	1430.400 PSIA	
10	Dec 01, 2010 04:09:13 PM	1427.000 PSIA	
11	Dec 01, 2010 04:10:23 PM	1422.800 PSIA	
12	Dec 01, 2010 04:11:22 PM	1420.000 PSIA	
13	Dec 01, 2010 04:12:18 PM	1417.000 PSIA	
14	Dec 01, 2010 04:13:21 PM	1414.200 PSIA	
15	Dec 01, 2010 04:14:20 PM	1411.400 PSIA	
16	Dec 01, 2010 04:15:21 PM	1408.800 PSIA	
17	Dec 01, 2010 04:16:25 PM	1406.000 PSIA	
18	Dec 01, 2010 04:17:24 PM	1403.800 PSIA	
19	Dec 01, 2010 04:18:27 PM	1400.800 PSIA	
20	Dec 01, 2010 04:19:23 PM	1398.600 PSIA	
21	Dec 01, 2010 04:20:21 PM	1396.200 PSIA	
22	Dec 01, 2010 04:21:21 PM	1394.200 PSIA	
23	Dec 01, 2010 04:22:16 PM	1392.000 PSIA	
24	Dec 01, 2010 04:23:10 PM	1390.400 PSIA	
25	Dec 01, 2010 04:24:10 PM	1388.000 PSIA	
26	Dec 01, 2010 04:25:10 PM	1386.200 PSIA	
27	Dec 01, 2010 04:26:11 PM	1384.200 PSIA	
28	Dec 01, 2010 04:27:10 PM	1381.800 PSIA	
29	Dec 01, 2010 04:28:09 PM	1380.200 PSIA	
30	Dec 01, 2010 04:29:11 PM	1378.000 PSIA	
31	Dec 01, 2010 04:30:10 PM	1376.000 PSIA	

Federal 7-31-8-18 Rate Sheet (12-1-10)

Step # 1	Time:	9:05	9:10	9:15	9:20	9:25	9:30
	Rate:	50.4	50.3	50.3	50.3	50.3	50.2
	Time:	9:35	9:40	9:45	9:50	9:55	10:00
	Rate:	50.2	50.2	50.2	50.2	50.1	50.1
Step # 2	Time:	10:05	10:10	10:15	10:20	10:25	10:30
	Rate:	100.5	100.5	100.5	100.4	100.4	100.4
	Time:	10:35	10:40	10:45	10:50	10:55	11:00
	Rate:	100.4	100.3	100.3	100.3	100.2	100.2
Step # 3	Time:	11:05	11:10	11:15	11:20	11:25	11:30
	Rate:	150.3	150.3	150.3	150.2	150.2	150.2
	Time:	11:35	11:40	11:45	11:50	11:55	12:00
	Rate:	150.2	150.1	150.1	150.1	150	150
Step # 4	Time:	12:05	12:10	12:15	12:20	12:25	12:30
	Rate:	200.6	200.6	200.5	200.5	200.5	200.5
	Time:	12:35	12:40	12:45	12:50	12:55	1:00
	Rate:	200.5	200.4	200.4	200.4	200.3	200.3
Step # 5	Time:	1:05	1:10	1:15	1:20	1:25	1:30
	Rate:	250.5	250.5	250.4	250.4	250.4	250.3
	Time:	1:35	1:40	1:45	1:50	1:55	2:00
	Rate:	250.3	250.2	250.2	250.2	250.2	250.1
Step # 6	Time:	2:05	2:10	2:15	2:20	2:25	2:30
	Rate:	300.5	300.5	300.4	300.4	300.4	300.3
	Time:	2:35	2:40	2:45	2:50	2:55	3:00
	Rate:	300.3	300.2	300.2	300.2	300.1	300.1
Step # 7	Time:	3:05	3:10	3:15	3:20	3:25	3:30
	Rate:	350.5	350.5	350.5	350.5	350.4	350.4
	Time:	3:35	3:40	3:45	3:50	3:55	4:00
	Rate:	350.4	350.4	350.3	350.3	350.3	350.2
Step # 8	Time:						
	Rate:						
	Time:						
	Rate:						

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5.LEASE DESIGNATION AND SERIAL NUMBER: UTU-74872

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME: GMBU (GRRV)

1. TYPE OF WELL Water Injection Well

8. WELL NAME and NUMBER: FEDERAL 7-31-8-18

2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY

9. API NUMBER: 43047345000000

3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052

PHONE NUMBER: 435 646-4825 Ext

9. FIELD and POOL or WILDCAT: 8 MILE FLAT NORTH

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 2046 FNL 1878 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNE Section: 31 Township: 08.0S Range: 18.0E Meridian: S

COUNTY: UINTAH

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT Approximate date work will start:	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
✓ SUBSEQUENT REPORT Date of Work Completion: 3/11/2013	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ SPUD REPORT Date of Spud:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ DRILLING REPORT Report Date:	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	✓ OTHER	OTHER: 5 YR MIT

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

5 year MIT on the above listed well. On 03/11/2013 the casing was pressured up to 1450 psig and charted for 30 minutes with no pressure loss. The well was injecting during the test. The tubing pressure was 1220 psig during the test. There was not an EPA representative available to witness the test. EPA# UT22197-06976

Accepted by the Utah Division of Oil, Gas and Mining
FOR RECORD ONLY
March 20, 2013

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Lucy Chavez-Naupoto	435 646-4874	Water Services Technician
SIGNATURE N/A		**DATE** 3/12/2013

RECEIVED: Mar. 12, 2013

Mechanical Integrity Test
Casing or Annulus Pressure Mechanical Integrity Test

U.S. Environmental Protection Agency
Underground Injection Control Program
999 18th Street, Suite 500 Denver, CO 80202-2466

EPA Witness: _____ Date: 3 / 11 / 2013
Test conducted by: Shannon Lazenby
Others present: _____

-NG976

Well Name: Federal 7-31-8-18 Type: ER SWD Status: AC TA UC
Field: Greater Monument Butte
Location: SW/NE Sec: 31 T 8S N/S R 18 E/W County: Uintah State: UT
Operator: Chris Walters
Last MIT: / / Maximum Allowable Pressure: 1260 PSIG

Is this a regularly scheduled test? [X] Yes [ ] No
Initial test for permit? [ ] Yes [X] No
Test after well rework? [ ] Yes [X] No
Well injecting during test? [X] Yes [ ] No If Yes, rate: 11 bpd

Pre-test casing/tubing annulus pressure: 0 / 1220 psig

MIT DATA TABLE	Test #1	Test #2	Test #3
TUBING	*PRESSURE*		
Initial Pressure	1220 psig	psig	psig
End of test pressure	1220 psig	psig	psig
CASING / TUBING	*ANNULUS*	*PRESSURE*	
0 minutes	1450 psig	psig	psig
5 minutes	1450 psig	psig	psig
10 minutes	1450 psig	psig	psig
15 minutes	1450 psig	psig	psig
20 minutes	1450 psig	psig	psig
25 minutes	1450 psig	psig	psig
30 minutes	1450 psig	psig	psig
_____ minutes	psig	psig	psig
_____ minutes	psig	psig	psig
RESULT	[X] Pass [ ] Fail	[ ] Pass [ ] Fail	[ ] Pass [ ] Fail

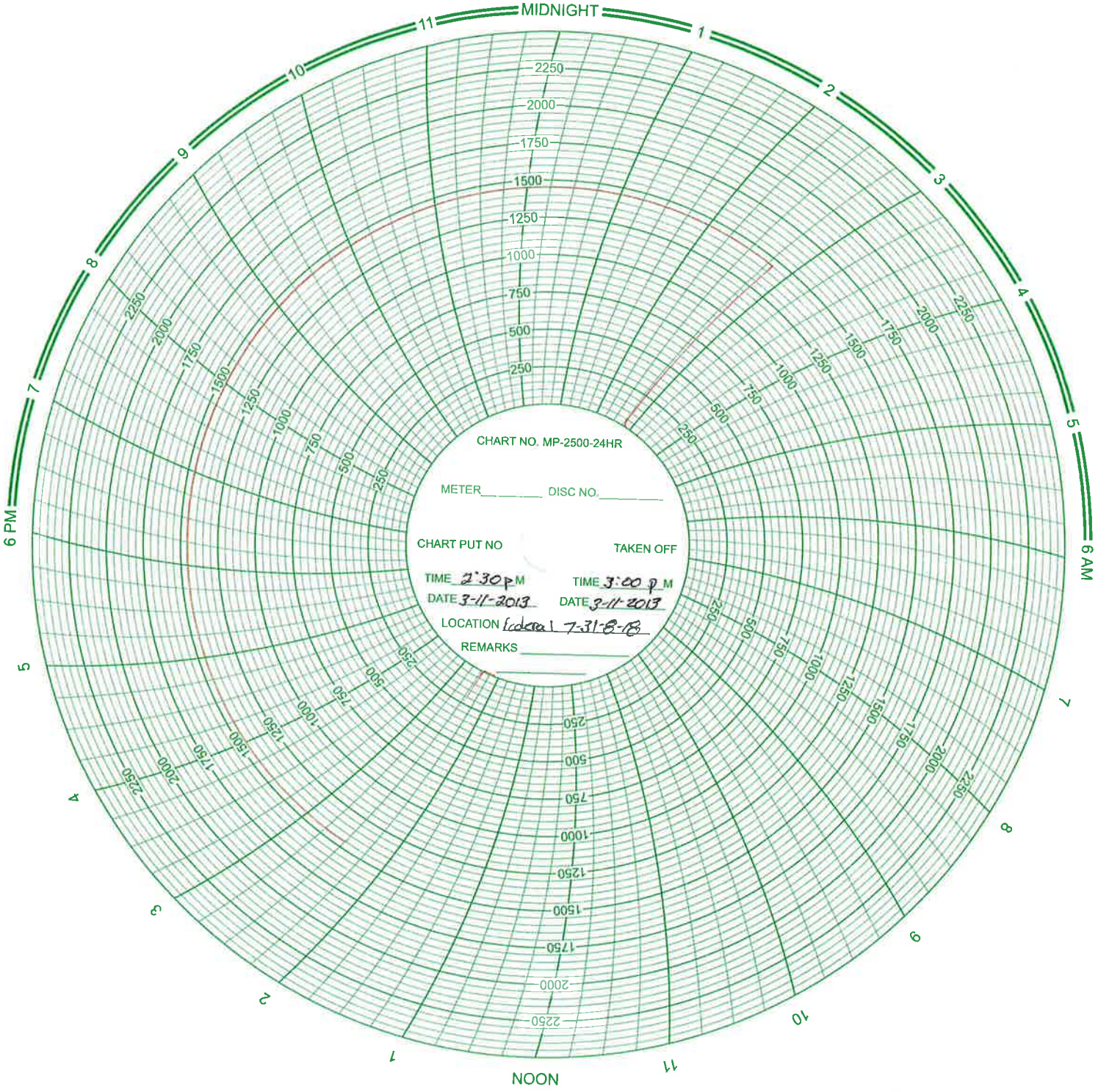
Does the annulus pressure build back up after the test ? [ ] Yes [X] No

MECHANICAL INTEGRITY PRESSURE TEST

Additional comments for mechanical integrity pressure test, such as volume of fluid added to annulus and bled back at end of test, reason for failing test (casing head leak, tubing leak, other), etc.:

Signature of Witness: _____

Sundry Number: 35515 API Well Number: 43047345000000



Federal 7-31-8-18

Spud Date: 10/9/03

Put on Production: 11/18/03

GL:5032' KB: 5044'

Initial Production: 62 BOPD, 16 MCFD, 11 BWPD

Injection Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"

GRADE: J-55

WEIGHT: 24#

LENGTH: 7 jts. (294.54')

DEPTH LANDED: 304.54' KB

HOLE SIZE:12-1/4"

CEMENT DATA: 150 sxs Class "G" cmt mixed, est 4 bbls cmt to surf.

Cement Top @ 375'

PRODUCTION CASING

CSG SIZE: 5-1/2"

GRADE: J-55

WEIGHT: 15.5#

LENGTH: 147 jts. (6273.57)

DEPTH LANDED: 6271.57' KB

HOLE SIZE: 7-7/8"

CEMENT DATA: 300 sxs Prem. Lite II mixed & 400 sxs 50/50 POZ.

CEMENT TOP AT: 375'

TUBING

SIZE/GRADE/WT : 2-7/8" / J-55 / 6.5#

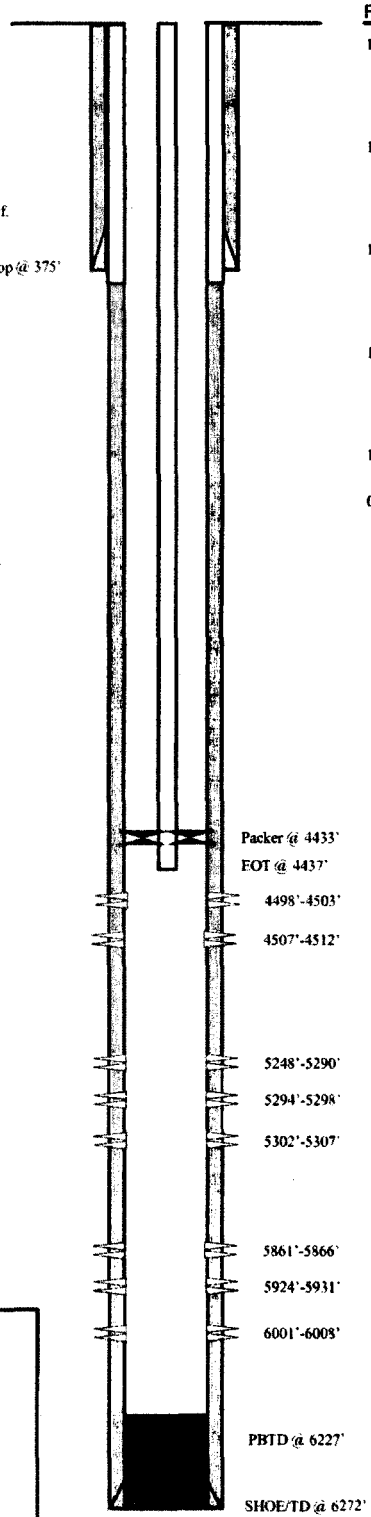
NO. OF JOINTS: 134 jts (4416.61')

SEATING NIPPLE: 2-7/8"(1.10')

SN LANDED AT: 4429.71' KB

CE (3.30') AT: 4433.01' KB

TOTAL STRING LENGTH: EOT @ 4437.11' W/12 'KB



FRAC JOB

11/12/03	6001'-6008'	**Frac CP3 sands as follows:** 25,305# 20/40 sand in 309 bbls Viking I-25 fluid. Treated @ avg press of 1560 psi w/avg rate of 24.5 BPM. ISIP 1500 psi. Calc flush: 5998 gal. Actual flush: 6048 gal.
11/12/03	5861'-5931'	**Frac CP1 and 2 sands as follows:** 39,749# 20/40 sand in 394 bbls Viking I-25 fluid. Treated @ avg press of 1640 psi w/avg rate of 24.7 BPM. ISIP 1620 psi. Calc flush:5859 gal. Actual flush: 5922 gal.
11/12/03	5248'-5307'	**Frac LODC sands as follows:** 179,510# 20/40 sand in 1204 bbls Viking I-25 fluid. Treated @ avg press of 1290 psi w/avg rate of 24.6 BPM. ISIP 1470 psi. Calc flush: 5246 gal. Actual flush: 5292 gal.
11/12/03	4498'-4512'	**Frac GB6 sands as follows:** 40,650# 20/40 sand in 369 bbls Viking I-25 fluid. Treated @ avg press of 1935 psi w/avg rate of 24.3 BPM. ISIP 2080 psi. Calc flush: 4496 gal. Actual flush: 4494 gal.
1/11/07		**Well converted to an Injection well. MIT completed and submitted.**
04-10-08		**Workover MIT - polymer squeeze, update tbg information as needed.**

PERFORATION RECORD

11/6/03	6001'-6008'	4 JSPF	28 holes
11/12/03	5924'-5931'	4 JSPF	28 holes
11/12/03	5861'-5866'	4 JSPF	20 holes
11/12/03	5302'-5307'	2 JSPF	10 holes
11/12/03	5294'-5298'	2 JSPF	8 holes
11/12/03	5248'-5290'	2 JSPF	84 holes
11/12/03	4507'-4512'	4 JSPF	20 holes
11/12/03	4498'-4503'	4 JSPF	20 holes

NEWFIELD

Federal 7-31-8-18

2046' FNL & 1878' FEL

SWNE Section 31-T8S-R18E

Uintah Co, Utah

API #43-047-34500; Lease #UTU-74872